Some of the contents in this manual may differ from your device depending on the software of the device or your service provider.

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user manual

SAMSUNG

Using this manual

Thank you for purchasing this Samsung mobile phone. This phone will provide you with high quality mobile communication and entertainment based on Samsung's exceptional technology and high standards.

This user manual has been specially designed to guide you through the functions and features of your phone.

Read me first

- Please read this manual carefully before using your phone to ensure safe and correct use.
- The descriptions in this manual are based on the default settings of your phone.
- Images and screenshots used in this user manual may differ in appearance from the actual product.
- Content in this user manual may differ from the product, or from software provided by service providers or carriers, and is subject to change without prior notice. Refer to www.samsungmobile.com for the latest version of the user manual.
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Instructional icons

Before you start, familiarise yourself with the icons you will see in this manual:

Warning—situations that could cause injury to yourself or others

Caution—situations that could cause damage to your phone or other equipment

Note—notes, usage tips, or additional information

► **Refer to**—pages with related information; for example: ► p.12 (represents "see page 12")

→ **Followed by**—the order of options or menus you must select to perform a step; for example: In Idle mode, select **Messages** → **Create message** (represents **Messages**, followed by **Create message**)

[ ] **Square brackets**—phone keys; for example: [ ] (represents the Power/End key)

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Assembling

Unpack

Check your product box for the following items:

- Mobile phone
- Battery
- Travel adapter (charger)
- User manual

Use only Samsung-approved software. Pirated or illegal software may cause damage or malfunctions that are not covered by your manufacturer's warranty.

- The items supplied with your phone may vary depending on the software and accessories available in your region or offered by your service provider.
- You can obtain additional accessories from your local Samsung dealer.
- The supplied accessories perform best for your phone.
- Accessories other than the supplied ones may not be compatible with your phone.

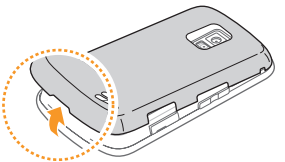
Install the SIM or USIM card and battery

When you subscribe to a cellular service, you will receive a Subscriber Identity Module (SIM) card, with subscription details, such as your personal identification number (PIN) and optional services. To use UMTS or HSDPA services, you can purchase a Universal Subscriber Identity Module (USIM) card.

To install the SIM or USIM card and battery,

1 If the phone is on, press and hold [ ] to turn it off.

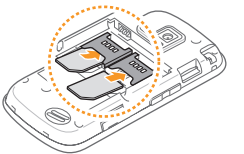
2 Remove the back cover.



Be careful not to damage your fingernails when you remove the back cover.

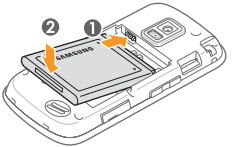
3 Insert the SIM or USIM card.

Your phone has 2 SIM or USIM card slots to allow you to use 2 SIM or USIM cards and switch between them.
► p. 28

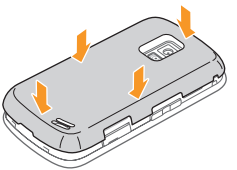


- Place the SIM or USIM card into the phone with the gold-coloured contacts facing down.
- If you do not insert a SIM or USIM card, you can only use your phone's non-network services and some menus.

4 Insert the battery.



5 Replace the back cover.



Charge the battery

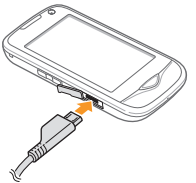
Before using the phone for the first time, you must charge the battery.

Use only Samsung-approved chargers and cables. Unauthorised chargers or cables can cause batteries to explode or damage your phone.

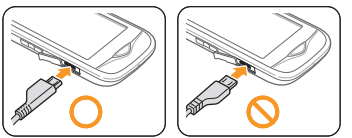
When your battery is low, the phone will emit a warning tone and display a low battery message. The battery icon will also be empty and blinking. If the battery level becomes too low, the phone will automatically power off. Recharge your battery to continue using your phone.

1 Open the cover to the multifunction jack on the side of the phone.

2 Plug the small end of the travel adapter into the multifunction jack.



Improperly connecting the travel adapter can cause serious damage to the phone. Any damages due to misuse are not covered by the warranty.



3 Plug the large end of the travel adapter into a power outlet.

- You can use the phone while it is charging, but it may take longer to fully charge the battery.
- While charging, the phone may heat up. This is normal and should not affect your phone's lifespan or performance.
- If your phone is not working properly, bring your phone and the charger to a Samsung Service Centre.

4 When the battery is fully charged (the battery icon is no longer moving), unplug the travel adapter from the phone and then from the power outlet.

Do not remove the battery before removing the travel adapter. Doing this may cause damage to the phone.

When you charge the battery for the first time, charging your battery completely may take about 4 hours. Because the battery is a consumable part, the battery will gradually wear out and the charging time will be reduced. The initial charging capacity of your battery is about 1200 mAh.

› Charge with the PC data cable

Before charging, ensure that your PC is turned on.

1. Open the cover to the multifunction jack on the side of the phone.
2. Plug one end (micro-USB) of the PC data cable into the multifunction jack.
3. Plug the other end of the PC data cable into a USB port on a PC.

Depending on the type of PC data cable you are using, it may take some time before charging begins.

4. When the battery is fully charged (the battery icon is no longer moving), unplug the PC data cable from the phone and then from the PC.

Insert a memory card (optional)

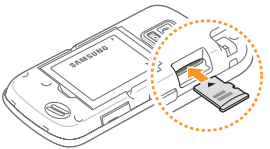
To store additional multimedia files, you must insert a memory card. Your phone accepts microSD™ or microSDHC™ memory cards with maximum capacities of 16 GB (depending on memory card manufacturer and type).

Samsung uses approved industry standards for memory cards, but some brands may not be fully compatible with your phone. Using an incompatible memory card may damage your phone or the memory card and can corrupt data stored on the card.

- Your phone supports only the FAT file structure for memory cards. If you insert a card formatted with a different file structure, your phone will ask you to reformat the memory card.
- Frequent writing and erasing of data will shorten the lifespan of memory cards.

1 Remove the back cover.

2 Insert a memory card with the gold-coloured contacts facing down.



3 Replace the back cover.

Remove the memory card

1 Ensure that the memory card is not in the middle of an operation.

2 Remove the back cover.

3 Push the memory card gently until it disengages from the phone, and then pull the memory card out of the memory card slot.

Do not remove a memory card while the phone is transferring or accessing information, as this could result in loss of data or damage to the memory card or phone.

› Format the memory card

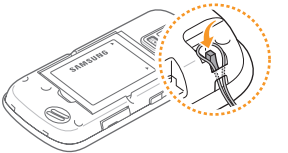
Formatting your memory card on a PC may cause incompatibilities with your phone. Format the memory card only on the phone.

In Menu mode, select **Settings** → **Memory settings** → **Memory card details** → **Format** → **Yes**.

Before formatting the memory card, remember to make backup copies of all important data stored in your phone. The manufacturer's warranty does not cover loss of data resulting from user actions.

Attach a hand strap (optional)

1. Remove the back cover.
2. Slide a hand strap through the hand strap hole and hook it over the small projection.



3. Replace the back cover.

Getting started

Turn your phone on and off

To turn on your phone,

1. Press and hold [ ].
2. Enter your PIN and select **Done** (if necessary).
3. Select **OK** to register new SIM or USIM cards.
4. Select **Next**.
5. Assign a name and signal icon to the SIM or USIM cards by following the on-screen instructions.
6. Select **Next**.
7. Select a SIM or USIM card and select **On** to activate it.
8. Select **Next**.
9. Read the help information and select **Next**.

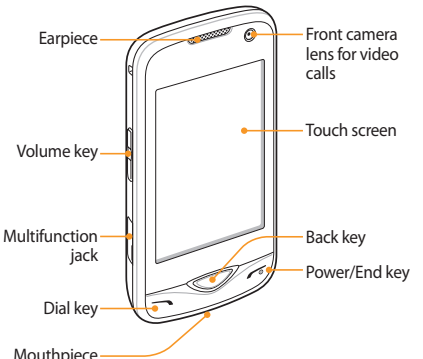
Once you insert 2 SIM or USIM cards, you will be prompted to select either of them when accessing network services, such as calling, messaging and web services.

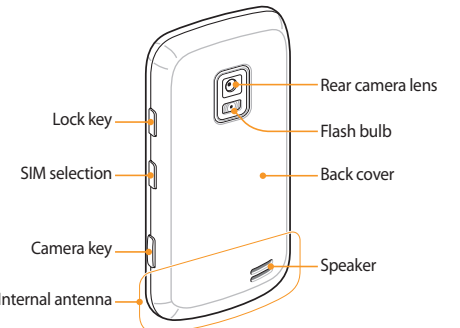
To turn off your phone, repeat step 1 above.

- Follow all posted warnings and directions from official personnel when in areas where the use of wireless devices is restricted, such as aeroplanes and hospitals.
- To use your phone's non-network services only, switch to the offline profile. ► p. 24

Get to know your phone

Phone layout





Keys

Key	Function
Dial	Make or answer a call; In Idle mode, retrieve recently dialled, missed, or received numbers.
Back	In Menu mode, return to the previous level.
Power/ End	Turn the phone on or off (press and hold); End a call; In Menu mode, return to the main menu or return to Idle mode.
Volume	Adjust the phone's volume.
Lock	Lock the touch screen and keys; Unlock the touch screen and keys (press and hold).
SIM selection	Switch between SIM or USIM cards when you make calls or send messages; In Idle mode, access the SIM card management menu (press and hold).
Camera	In Idle mode, turn on the camera; In Camera mode, take a photo or record a video.

Indicator icons

Icons shown on the display may vary depending on your region or service provider.

Icon	Definition
1/ 2	Signal strength
G	GPRS network connected

Icon	Definition
	EDGE network connected
	UMTS network connected
	HSDPA network connected
	Voice call in progress
	Video call in progress
	Browsing the web
	Connected to secured web page
	Roaming (outside of normal service area)
	Call diverting activated
	Connected with PC
	WLAN activated

Icon	Definition
	Bluetooth hands-free car kit or headset connected
	Bluetooth activated
	Alarm activated
	Memory card inserted
	New text message (SMS)
	New multimedia message (MMS)
	New email message
	New voice mail message
	Normal profile activated
	Silent profile activated
	Battery power level
	Current time

Use the touch screen

Your phone's touch screen lets you easily select items or perform functions. Learn basic actions to use the touch screen.

- To avoid scratching the touch screen, do not use sharp tools.
- Do not allow the touch screen to come in contact with other electrical devices. Electrostatic discharges can cause the touch screen to malfunction.
- Do not allow the touch screen to come in contact with water. The touch screen may malfunction in humid conditions or when exposed to water.

For optimal use of the touch screen, remove the screen protection film before using your phone.

Control your touch screen with the following actions:

- Tap: Tap once to select or launch a menu, option, or application.
- Double-tap: Tap twice quickly to zoom in or out while viewing photos or web pages.
- Drag: Tap and hold on an item, and then drag your finger to move the item.
- Scroll: Tap and drag up, down, left, or right to move to items on lists.

- Your phone turns off the touch screen when you do not use the phone for a specified period. To turn on the screen, press any key.
- You can also adjust the backlight time. In Menu mode, select **Settings** → **Display and light** → **Backlight time**.

Lock or unlock the touch screen and keys

You can lock the touch screen and keys to prevent any unwanted phone operations.

To lock, press [🔒]. To unlock, press and hold [🔒]. Alternatively, press [🔒] and tap and hold the lock icon.

You can also set the phone to automatically lock the touch screen and keys when you do not use the phone for a specified period. In Menu mode, select **Settings** → **Touch panel** → **On** under **Auto-lock**.

Access menus

To access your phone's menus,

1. In Idle mode, select **Menu** to access Menu mode.
2. Scroll left or right to a main menu screen.
3. Select a menu or application.
4. Press the Back key to move up one level; Press [↩] to close the menu or application and return to Idle mode.

› Organise applications in Menu mode

You can reorganise the applications in Menu mode by changing their order or grouping them into categories to suit your preferences and needs.

1. In Idle mode, select **Menu** to access Menu mode.
2. Select **Edit** at the top left of the screen.
3. Drag an application icon to the location you want.
   You can move an application icon to another main menu screen.
4. Select **Done**.

Select **Reset** to initialise the main menu screens.

Use widgets

Widgets are small applications that provide convenient functions and information on your idle screen.

- Some of your widgets connect to web services. Using a web-based widget may incur additional charges.
- Available widgets may vary depending on your region or service provider.

› Open the widget toolbar

To open the widget toolbar and access widgets,

1. In Idle mode, select **Widget** at the top left of the screen to open the widget toolbar.
2. Scroll left or right to a panel of the idle screen.
3. Scroll left or right on the widget toolbar to find the widget you want to use.
4. Drag the widget to the idle screen and select it to activate on the idle screen.

   To move the widget back to the widget toolbar, drag it to the position you want on the widget toolbar.
5. Select **Done**.

› View or change widgets

You can view widget names or select widgets to include on the widget toolbar.

1. Open the widget toolbar and select .
2. Select on the idle screen.

   The marked widgets are available from the widget toolbar.
3. Select the widgets you want to include on the widget toolbar.
4. Select **Save**.

Download new widgets

1. Open the widget toolbar and select .
2. Select **Yes**.
3. Select an option to search for widgets.

   You can also enter a keyword in the input field and select .
4. Scroll through the widget list and select a widget to download.

   When downloading is complete, the widget will be automatically added to the widget toolbar.

If the widget toolbar is full, downloaded widgets will not be automatically added to the widget toolbar. You must remove some widgets from the toolbar and add the new widgets manually.

Customise your phone

Get more from your phone by customising it to match your preferences.

Change the language for the display

1. In Menu mode, select **Settings** → **Phone settings** → **Language**.
2. Select the drop-down menu under **Screen text** and select a language you want.
3. Select **Save**.

Set the current time and date

1. In Menu mode, select **Settings** → **Time and date**.
2. Set the time and date options.
3. Select **Save**.

Adjust the volume of the key tones

In Idle mode, press the Volume key up or down.

Adjust the vibration intensity of the touch screen

You can adjust the intensity of the vibration feedback that results when you tap the phone screen.

1. In Menu mode, select **Settings** → **Phone settings** → **Vibration feedback**.
2. Drag the slider to adjust the vibration intensity of the touch screen.
3. Select **Save**.

Switch to the silent profile

In Idle mode, select **Keypad**, and then tap and hold # to mute or unmute your phone.

Set up a sound profile

You can change your phone's sounds by customising the current sound profile or switching to another sound profile. To set up a profile,

1. In Menu mode, select **Settings** → **Phone profiles**.
2. Select » next to the profile you are using.
3. Select a SIM or USIM card.
4. Customise the sound options for incoming calls, incoming messages, and other phone sounds.

   Available sound options vary depending on the selected profile.
5. Select **Save**.

To switch to another profile, select it from the list.

Select a wallpaper for the idle screen

You can select separate wallpapers for each panel of the idle screen and each SIM or USIM card.

1. In Idle mode, scroll left or right to one panel of the idle screen.
2. In Menu mode, select **Settings** → **Display and light** → **Wallpaper**.
3. Select a SIM or USIM card.
4. Scroll left or right to an image.
   To select an image from the image folder, select **Images**.
5. Select **Set**.

Adjust the brightness of the display

1. In Menu mode, select **Settings** → **Display and light** → **Brightness**.
2. Drag the slider to adjust the level of brightness.
3. Select **Save**.

The brightness level of the display will affect how quickly the phone consumes battery power.

Calibrate the touch screen

You can calibrate the screen so that your phone recognises your inputs better.

1. In Menu mode, select **Settings** → **Phone settings** → **Calibration**.
2. Tap the target on the screen until the calibration is finished.
3. Select **Yes**.

Unlock the touch screen with gestures

With the smart unlock feature, you can unlock the touch screen by drawing a specified character on the locked touch screen. To set an unlock gesture,

1. In Menu mode, select **Settings** → **Smart unlock**.
2. Select **On** under **Gesture unlock**.
3. Select an unlock option.
   You can set the phone to unlock only, unlock and then make a call to a favourite number, or unlock and then launch an application.
   If you set the phone to unlock only, skip to step 5.
4. Select a favourite number to dial or select an application to launch.
5. Select a gesture (A to Z) for the smart unlock feature.
6. Press the Back key. If you set the phone to unlock only, skip to step 7.
7. Select **Save**.

To unlock the touch screen, press [🔒] and draw the gesture that corresponds to the unlock feature you want.

Lock your phone

You can lock your phone by activating the phone password.

1. In Menu mode, select **Settings** → **Security** → **Phone**.
2. Select **On** under **Phone lock** and select **Yes**.
3. Enter a new 4- to 8-digit password and select **Done**.
4. Enter the new password again and select **Done**.

The first time you access a menu that requires a password, you will be prompted to create and confirm a password.

Once the phone lock is enabled, you must enter the password each time you turn on the phone.

- If you forget your password, bring your phone to a Samsung Service Centre to unlock it.
- Samsung is not responsible for any loss of passwords or private information or other damages caused by illegal software.

Lock your SIM or USIM card

You can lock your phone by activating the PIN supplied with your SIM or USIM card.

1. In Menu mode, select **Settings** → **Security** → **SIM**.
2. Select a SIM or USIM card.
3. Select **On** under **PIN lock**.
4. Enter the PIN of your SIM or USIM card and select **Done**.

Once the PIN lock is enabled, you must enter the PIN each time you turn on the phone.

- If you enter an incorrect PIN too many times, your SIM or USIM card will be blocked. You must enter a PIN unlock key (PUK) to unblock the SIM or USIM card.
- If you block your SIM or USIM card by entering an incorrect PUK, bring the card to your service provider to unblock it.

Activate the mobile tracker

When someone inserts a new SIM or USIM card in your phone, the mobile tracker feature will automatically send the contact number to specified recipients to help you locate and recover your phone.

1. In Menu mode, select **Settings** → **Security** → **Phone** → **Mobile tracker**.
2. Enter your password and select **Done**.

3 Select **On** to turn on the mobile tracker.

4 Select the recipient field to open the recipient list.

5 Select **Recipients** → **Tap to add recipient**.

6 Enter a phone number including a country code (with +) and select **Save**.

7 When you are finished setting the recipients, select **Save**.

8 Select the sender input field.

9 Enter a sender's name and select **Done**.

10 Select **Save** → **Accept**.

Manage your SIM or USIM card

Your phone supports Dual SIM mode that enables you to use two SIM or USIM cards at the same time without changing them. Learn to select a default card and network and change the card settings.

› Select a default SIM or USIM card and network

1 In Idle mode, press and hold [⊞].

2 Select **Network** → a SIM or USIM card slot.

3 Select **On** under the card name.

4 Select **Save**.

› Change the names and icons of the SIM or USIM card

1 In Idle mode, press and hold [⊞].

2 Select **Register card**.

3 Select a SIM or USIM card.

4 Select **Card name** and change the name for the SIM or USIM card.

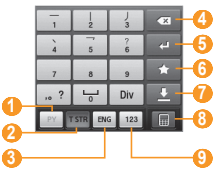
5 Select **Icon** and change the icon for the SIM or USIM card.

Enter text

You can enter text by selecting characters on the virtual keypad.

Change the text input method

When you tap the text input field, the input panel with the virtual keypad appears by default.



Number	Function
1	Switch to Pinyin mode: Enter pinyins.
2	Switch to Stroke mode: Enter strokes.

Number	Function
3	Switch to ENG mode: Enter English characters.
4	Clear your input.
5	Start a new line.
6	Enter symbols.
7	Hide the keypad.
8	Change the text input method (traditional keypad, QWERTY keyboard, or handwriting box).
9	Switch to Number mode: Enter numbers.

Enter text using the input methods

1 Change the text input method.

Option	Function
	Select characters on the keypad.
	Select the virtual keys on the QWERTY keyboard.
	Write in the input boxes.

2 Change the text input mode.

3 Select the appropriate virtual keys or write on the screen to enter text.

Enter text using the virtual keypad

When entering text with the keypad, you can use the following modes:

Mode	Function
PY	1. Select **PY**. 2. Select appropriate virtual keys to enter pinyins. 3. To enter phrases, select **Div** and enter more pinyins. 4. Select a pinyin. 5. To select one of four tones or a neutral tone, select **Tone** in traditional keypad mode. 6. Select ^ or v until the character you want appears. 7. Select the character you want from the list.

Mode	Function
S STR	1. Select **S STR**. 2. Select **1** through **5** to enter strokes. Select **6** when you are unsure which stroke to enter. This will insert a placeholder. 3. To enter phrases, select **Div** and enter more pinyins. 4. Select ^ or v until the character you want appears. 5. Select the character you want from the list.

Mode	Function
T STR	1. Select **T STR**. 2. Select **1** through **5** to enter strokes. Select **6** when you are unsure which stroke to enter. This will insert a placeholder. 3. To enter phrases, select **Div** and enter more pinyins. 4. Select ^ or v until the character you want appears. 5. Select the character you want from the list.
ENG	1. Select **ENG**. 2. Select an appropriate virtual key until the character you want appears on the display.

Mode	Function
Number	1. Select **123**. 2. Select an appropriate virtual key to enter a number. You can enter numbers by tapping and holding a virtual key in ABC or T9 mode.
Symbol (☆)	1. Select ☆. 2. Select ◀ or ▶ to scroll to a symbol set you want. 3. Select an appropriate virtual key to enter a symbol.

Enter text using the QWERTY keyboard

1 Change the text input method to ⌨.

2 Select the appropriate virtual keys to enter text.

Mode	Function
PY	1. Select **PY**. 2. Select the appropriate virtual keys to enter pinyins. 3. Select a pinyin. 4. Select a character.
T9	1. Select **ENG**. 2. Select **T9** (The dot turns green). 3. Select the appropriate virtual keys to enter an entire word. 4. When the word displays correctly, select ␣ to insert a space. If the correct word does not display, select < or > to select an alternative word.

Mode	Function
ENG	1. Select **ENG**. 2. Select an appropriate virtual key until the character you want appears on the display.
Symbol	1. Select ☆. 2. Select ◀ or ▶ to scroll to a symbol set you want. 3. Select an appropriate virtual key to enter a symbol.

When entering text, rotate the device to display the wider QWERTY keyboard.

Enter text using the handwriting box

1. Change the text input method to ✎.
2. Write a character in the handwriting box at the bottom half of the screen.

- To enter Chinese characters, select **S STR** or **T STR**.
- To enter English characters, select **ENG**.
- To enter numbers, select **123**.
- To enter symbols, select ☆.

Access help information

Learn to access helpful information about key features of your device.

1. In Idle mode, open the widget toolbar and select ? (if necessary).
2. Select the help widget from the idle screen.
3. Rotate the device anti-clockwise to landscape view.
4. Select a help topic to learn about an application or feature.
5. Scroll left or right to view more information.
   To return to the previous level, select ↩.

Communication

Calling

Learn to use calling functions, such as making and answering calls using options available during a call, or customising and using call-related features.

› Make and answer a call

Make a call

1 In Idle mode, select **Keypad** and enter an area code and a phone number.

2 Press [ ] to dial the number. For a video call, select → **Video call**.

During a call, your phone automatically locks the touch screen to prevent accidental inputs. To unlock, press and hold [ ].

3 To end the call, press [ ].

- Use the phonebook to save numbers you dial frequently. ► p. 64
- To quickly access the call log to redial the numbers you dialled recently, press [ ].

Answer a call

1 When a call comes in, press [ ].

When the phone is ringing, press the Volume key to adjust the volume, or press and hold the Volume key down to mute the ringtone.

2 For a video call, press [ ] and select **Show me** to allow the caller to see you.

The front camera lens is activated to show your image.

3 To end the call, press [ ].

Reject a call

When a call comes in, press [ ]. The caller will hear a busy tone.

You can set up a list of numbers to reject incoming calls automatically. ► p. 36

Call an international number

1. In Idle mode, select **Keypad** and tap and hold **0** to insert the **+** character.
2. Enter the complete number you want to dial (country code, area code and phone number), and then press [ ] to dial the number.

Use the headset

By plugging the supplied headset into the multifunction jack, you can make and answer calls:

- To redial the last call, press and hold the headset button.
- To answer a call, press the headset button.
- To end a call, press the headset button.

Use options during a voice call

You can use the following options while a voice call is in progress:

- To adjust the voice volume, press the Volume key up or down.
- To activate the speakerphone feature, select **Speaker** → **Yes**.

  In noisy environments, you may have difficulty hearing some calls while using the speakerphone feature. For better audio performance, use the normal phone mode.
- To turn off the microphone so that the other party cannot hear you, select **Mute**.
- To switch the current call to a video call, select **Video call**.

- To listen and talk to the other party via the headset, select **Headset**.
- To place a call on hold, select **Hold**. To retrieve a held call, select **Retrieve**.
- To dial a second call, dial a new number. The first call is automatically placed on hold.
- To answer a second call, press [ ] when a call waiting tone sounds. The first call is automatically placed on hold.
- To switch between the two calls, select **Swap**.
- To end the call on hold, select **On hold** → .
- To make a multiparty call (conference call), make or answer a second call and select **Join** when connected to the second party. Repeat to add more parties. You must subscribe to the multiparty call service to use this feature.
- To connect the current party to the party placed on hold, select **More** → **Transfer**. You will be disconnected.

View and dial missed calls

Your phone will display calls you have missed on the display.

- When you have one missed call, select the call from the event alert widget and select **Voice call** to dial.
- When you have two missed calls or more, select the call from the event alert widget and select **Logs** → a missed call.

Use additional features

You can use various other call-related features, such as auto rejection, fake calls, Fixed Dialling Number (FDN) mode, or call diverting, barring, or waiting.

Set the auto rejection

Use the auto rejection to reject calls from certain numbers automatically. To activate the auto rejection and set up the reject list,

1. In Menu mode, select **Settings** → **Application settings** → **Call** → **All calls** → **Auto reject**.
2. Select **On** under **Activation**.
3. Select **Add number** under **Reject list**.
4. Select the number input field, enter a number to reject, and select **Done** → **Save**.
5. To add more numbers, repeat steps 3-4.
6. Select the check boxes next to the numbers.
7. Select **Save**.

Make a fake call

You can simulate fake incoming calls when you want to get out of meetings or unwanted conversations. To activate the fake call feature,

1. In Menu mode, select **Settings** → **Application settings** → **Call** → **Fake call**.
2. Select **On** under **Activation**.

To make a fake call, press and hold the Volume key down in Idle mode. A fake call comes in after a specified length of time.

You can change the delay time before fake calls. In Menu mode, select **Settings** → **Application settings** → **Call** → **Fake call** → **Fake call timer**.

You can make fake calls appear more realistic by playing back a recorded voice. To record a voice,

1. In Menu mode, select **Settings** → **Application settings** → **Call** → **Fake call** → **Fake call voice**.
2. Select **On** under **Fake call voice**.
3. Select **Voice recording**.
4. Select ● to start recording.
5. Speak into the microphone.
6. When you are finished, select ■.

Use Fixed Dialling Number (FDN) mode

In FDN mode, your phone will restrict outgoing calls, except for the numbers stored in the FDN list. You must first set up your FDN list in the phonebook to use FDN mode. ► p. 66

To activate FDN mode,

1. In Menu mode, select **Settings** → **Security** → **SIM**.
2. Select **On** under **Fixed dialling mode**.
3. Enter the PIN2 supplied with your SIM or USIM card and select **Done**.

Set call diverting

Call diverting is a network feature to send incoming calls to another number that you specify. You can set this feature separately for several conditions when you are not able to answer calls, such as when you are already on the phone or when you are outside of the service area.

1. In Menu mode, select **Settings** → **Application settings** → **Call** → **Voice call**.
2. Select a SIM or USIM card and select **Call diverting**.
3. Select a condition.
4. Select the number field, enter a number to which calls will be forwarded, and select **Done**.
5. Select **Activate**.
   Your setting will be sent to the network.

Set call barring

Call barring is a network feature to restrict certain types of calling or to prevent others from making calls with your phone.

1. In Menu mode, select **Settings** → **Application settings** → **Call** → **Voice call**.
2. Select a SIM or USIM card and select **Call barring**.
3. Select a call type to restrict.

4 Select the password field, enter a call barring password, and select **Done**.

5 Select **Activate**.
Your setting will be sent to the network.

Set call waiting

Call waiting is a network feature to alert you of an incoming call while you are on a previous call. This feature is available only for voice calls.

1 In Menu mode, select **Settings** → **Application settings** → **Call** → **Voice call**.

2 Select a SIM or USIM card and select **Call waiting**.

3 Select **Activate**.
Your setting will be sent to the network.

Logs

Learn to view and manage logs of calls you have dialled, received, or missed and messages you have received and sent.

› View call and message logs

You can view logs of your calls and messages filtered by their types. Your phone will save logs for up to 30 dialled calls, 30 missed calls, 30 received calls, 30 received messages, 30 sent messages.

1 In Menu mode, select **Logs**.

2 Select the **All** drop-down menu and select a log type.

3 Select a log to view its details.

From the detail view, you can dial the number, send a message to the number or add the number to the phonebook or reject list.

View the log manager

From the log manager, you can check the amount of data or number of messages sent or received and the cost and duration of your calls.

1. In Menu mode, select **Logs** → **Log manager**.
2. Select an option you want.

Option	Function
Data counter	View the amount of data you have sent or received.
Message counter	View the number of messages you have sent or received.
Email Counter	View the number of emails you have sent or received.
Call cost	View cost records for your calls, such as the cost of the last call and the total cost of all calls. You can also set the currency and price per unit, or cost limit to restrict calls according to your calling plan; The cost counter may be unavailable depending on your SIM or USIM card.
Call time	View time data for your calls, such as the duration of the last call and the total duration of all calls

You can reset the records in the log manager. From each screen, select the reset button.

Messages

Learn to create and send text (SMS), multimedia (MMS), or email messages, and view or manage messages you have sent or received.

You may incur additional charges for sending or receiving messages while outside your home service area. For details, contact your service provider.

› Send a text message

1. In Idle mode, select **Messages** → **Create message** → **Message**.
2. Select the recipient input field and select .
   You can enter a number or email address manually or select one from the call log or group by selecting another option.
3. Select the check boxes next to contacts and select **Add**.
4. Select **Tap to add text**.
5. Enter your message text and select **Done**.
6. Select **Send** to send the message.

- If you decide not to send a message immediately, you can save it to the draft folder for future use.
- If an error occurs while you are sending a message, it will be saved in the outbox so you can try to resend it later.
- When a message is sent successfully, it will be saved in the sentbox.

› Set up an MMS profile

To send and receive multimedia messages, you must activate a connection profile for connecting to the MMS server. In addition to profiles that are preset by your service provider, you can add your own connection profile.

1. In Idle mode, select **Messages** → **Settings** → **Multimedia messages** → **Multimedia message profiles**.

2 Select a SIM or USIM card.

3 Select **Create**.

4 Customise the parameters for the connection profile.

Option	Function
Set name	Enter the name for the profile.
Bearer type	Select a bearer type.
Access name	Enter the access point name.
Auth type	Select an authentication type.
User ID	Enter your user name.
Password	Enter your password.
Protocol	Select a network protocol.
Home URL	Enter the web address of web page to use as your homepage.
Proxy address	Enter the address of the proxy server.
Linger Time (Sec.)	Enter how long the phone will wait for responses from the network.
Advanced settings	Customise IP and DNS addresses and traffic class.

5 When you are finished, select **Save**.

› Send a multimedia message

1 In Idle mode, select **Messages** → **Create message** → **Message**.

2 Select the recipient input field and select .

You can enter a number or email address manually or select one from the call log or group by selecting another option.

3 Select the contacts and select **Add**.

When you enter an email address, the phone will ask if you want to send a multimedia message. Select **OK** to confirm.

4 Select **Tap to add text**, enter your message text, and select **Done**.

5 Select **Add media** and attach a file.

You can select a file from the file list or capture a photo, video, or sound clip.

6 Select **Send** to send the message.

› Set up an email account and profile

In addition to the email account predefined by your service provider, you can add your personal email accounts. Also, you can add your own connection profile for using email services.

Set up an email account

1 In Idle mode, select **Messages** → **Settings** → **Email** → **Email accounts**.

For assistance with setting up your email account, select the **Email setup wizard**.

2 Select **Add account**.

3 Customise the settings for the account.

Option	Function
Account name	Enter a name for the account.
SMTP server	Enter the address of the SMTP server (outgoing server).
SMTP port	Enter the port number of the SMTP server.
Secure connection	Select a security protocol for the SMTP server.
Incoming server type	Select the type of the incoming server (POP3 or IMAP4).

Option	Function
POP3 server/ IMAP4 server	Enter the address of the incoming server.
POP3 port/ IMAP4 port	Enter the port number of the incoming server.
APOP login	Select to use an authenticated POP for increased security.
Secure connection	Select a security protocol for the incoming server.
Download limit	Set the maximum amount of data to download.
IMAP4 incoming email	Select whether or not to retrieve only new emails or all emails.
Retrieving option	Select whether or not to retrieve only the subject of an email or the entire email.

Option	Function
Keep on server	Select to leave a copy of the original email on the email server.
My email address	Enter your email address.
User name	Enter your user name for the account.
Password	Enter your password for the account.
POP before SMTP	Select to log in to the POP3 server before connecting to the SMTP server for security.
SMTP auth.	Select to use authentication for secure connection to the SMTP server.

Option	Function
Same as POP3/ IMAP4	Select to use the login information from the POP3 or IMAP4 server for the SMTP authentication; If you do not select this option, you will be prompted to enter your user name and password.

4 When you are finished, select **Save**.

Set up an email profile

1 In Idle mode, select **Messages** → **Settings** → **Email** → **Email profiles**.

2 Select a SIM or USIM card.

3 Select **Create**.

4 Customise the network settings. ► "Set up an MMS profile" (p. 41)

5 When you are finished, select **Save**.

› Send an email message

1 In Idle mode, select **Messages** → **Create message** → **Email**.

2 Select the recipient input field and select .
You can enter an email address manually or select from the call log or group by selecting another option.

3 Select the check boxes next to contacts and select **Add**.

4 Select **Tap to add subject** and enter a subject.

5 Select **Tap to add text**, enter your email text, and select **Done**.

6 Select **Add files** and attach a file.
You can select a file from the file list or capture a photo, video, or sound clip.

7 Select **Send** to send the message.

› View a message

Messages you have received, sent or saved are sorted automatically into the following message folders.

- **Inbox**: Received text or multimedia messages.
- **Email inbox**: Sent or received email messages.
- **Drafts**: Messages that you have saved for future use.
- **Outbox**: Messages that are currently sending or waiting to be sent.
- **Sentbox**: Sent messages.

View a text or multimedia message

1 In Idle mode, select **Messages** and select a message folder (inbox or sentbox).

2 Select a text or multimedia message.

View an email message

1 In Idle mode, select **Messages** → **Email inbox**.

2 Select an email account.

3 Select **Download**.

4 Select an email or a header.

5 If you selected a header, select **Retrieve** to view the body of the email.

Listen to voice mail messages

If you have set missed calls to be diverted to the voice mail server, callers may leave voice messages when you do not answer incoming calls. To access your voice mail box and listen to voice mail messages,

1. In Idle mode, select **Keypad**, and then tap and hold **1**.
2. Follow the instructions from the voice mail server.

You must save the voice mail server number before accessing the server. Your service provider can give you the number.

Use message templates

Learn to create and use text and multimedia templates to quickly and easily create new messages.

Create a text template

1. In Idle mode, select **Messages** → **Templates** → **Text templates**.
2. Select **Create** to open a new template window.
3. Select the field, enter your text, and select **Done**.
4. Select **Save**.

You can now insert a text template in the text field while creating a text, multimedia, or email message by using the inserting option.

Create a multimedia template

1. In Idle mode, select **Messages** → **Templates** → **Multimedia templates**.
2. Select **Create** to open a new template window.
3. Create a multimedia message, with a subject and desired attachments, to use as your template. ► p. 42

4 Select **Save**.

To use a multimedia template to create a new multimedia message, from the template list, select next to the template to use. Your template will open as a new multimedia message.

› Create a folder to manage messages

Learn to create folders to manage your messages according to your preferences and needs.

1 In Idle mode, select **Messages** → **My folders**.

2 Select **Create folder**.

3 Select the input field, enter a new folder name, and select **Done**.

4 Select **Save**.

You can now move your important messages from the inbox or sentbox to a custom folder for easier management or preventing them from accidental deletion.

Messenger

Learn to chat with friends and family from any of the universal instant messengers.

1 In Menu mode, select **Messenger**.

2 Enter your username and password to sign in.

3 Chat with friends and family instantly.

Entertainment

Camera

Learn how to capture and view photos and videos. You can capture photos at resolutions up to 2560 x 1920 pixels (5 megapixels) and videos at resolutions up to 320 x 240 pixels.

› Capture a photo

1 In Idle mode, press the Camera key to turn on the camera.

2 Rotate the phone anti-clockwise to landscape view.

- The camera interface appears only in the landscape orientation.
- Tap the screen to hide or display icons in the viewfinder.
- The camera automatically turns off when you do not use it for a specified period.
- The memory capacity may differ depending on the shooting scene or shooting conditions.

3 Aim the lens at the subject and make any necessary adjustments.

Number	Function
1	Check the camera status and settings. • 5M: Resolution • [◉]: Exposure metre type • ▸▭: Default storage location • 193: Number of photos you can capture
2	Switch to the camcorder.
3	Change the shooting mode.
4	Change the scene mode.
5	Change the camera settings.
6	Change the flash setting; You can manually turn the flash on or off, or set the camera to automatically use the flash when needed.

Number	Function
7	Change the focus mode; You can take close-up photos or set the camera to focus on the subject or focus on human faces automatically.
8	Adjust the brightness; Select + to increase or – to decrease.
9	View the photo or video you capture last.

4 Press the Volume key to zoom in or out.

5 Press the Camera key to take a photo.
The photo is saved automatically.

After capturing photos, select ▶ to view the captured photos.

- To view more photos, scroll left or right.
- To zoom in, double-tap the photo.
- To send the photo to others via multimedia message, email, or the Bluetooth wireless feature, select **Send via**. You can also send the photo to a Microsoft Exchange server.
- To delete a photo, select **Delete** → **Yes**.
- To post the photo to a community website or blog, select **More** → **Upload to web**.
- To set the photo as a wallpaper or a caller ID image for a contact, select **More** → **Set as**.
- To edit the photo, select **More** → **Image editor**.
- To view photos as a slide show, select **More** → **Slide show**.
- To print the photo via a USB connection or via Bluetooth, select **More** → **Print via** → **USB** or **Bluetooth**.

Capture a photo by using preset options for various scenes

Your camera provides you with predefined settings for various scenes. You can simply select the proper mode for your shooting condition and subjects.

1. In Menu mode, press the Camera key to turn on the camera.
2. Rotate the phone anti-clockwise to landscape view.
3. Select SCN → a scene → ⓜ.
4. Make any necessary adjustments.
5. Press the Camera key to take a photo.

Capture a photo in Smile shot mode

Your camera can recognise people's faces and help you capture photos of their smiling faces.

1. In Idle mode, press the Camera key to turn on the camera.

2 Rotate the phone anti-clockwise to landscape view.

3 Select → **Smile shot**.

4 Make any necessary adjustments.

5 Press the Camera key.

6 Aim the camera lens at your subject.

Your phone recognises people in an image and detects their smiles. When the subject smiles, the phone automatically takes a photo.

› Capture a series of photos

You can easily capture a series of photos of moving subjects. This is useful when you are photographing children at play or a sporting event.

1 In Idle mode, press the Camera key to turn on the camera.

2 Rotate the phone anti-clockwise to landscape view.

3 Select → **Continuous**.

4 Make any necessary adjustments.

5 Press and hold the Camera key. The camera will continue to capture photos until you release the key.

› Capture a panoramic photo

You can capture wide panoramic photos using Panorama shooting mode. This mode is convenient for photographing landscapes.

1 In Idle mode, press the Camera key to turn on the camera.

2 Rotate the phone anti-clockwise to landscape view.

3 Select → **Panorama**.

4 Make any necessary adjustments.

5 Press the Camera key to take the first photo.

6 Slowly move the phone in the direction you want and align with the frame.

When you have aligned the frame and the icon, the camera will automatically capture the next photo.

7 Repeat step 6 to complete the panoramic photo.

Capture a mosaic photo

You can capture multiple images and automatically combine them into a mosaic.

1 In Idle mode, press the Camera key to turn on the camera.

2 Rotate the phone anti-clockwise to landscape view.

3 Select → **Mosaic**.

4 Select an image layout and press the Camera key.

5 Make any necessary adjustments.

6 Press the Camera key to take photos for each segment.

Capture a photo with decorative frames

1 In Idle mode, press the Camera key to turn on the camera.

2 Rotate the phone anti-clockwise to landscape view.

3 Select → **Frame**.

4 Select a frame and press the Camera key.

5 Make any necessary adjustments.

6 Press the Camera key to take the photo and automatically apply the decorative frame.

Customise camera settings

Before capturing a photo, select → to access the following options:

Option	Function
Timer	Select the length of the delay before the camera captures a photo.

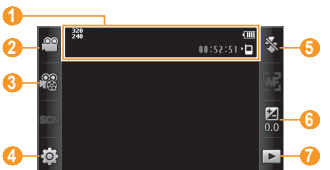
Option	Function
Resolution	Change the resolution option.
White balance	Adjust the colour balance according to lighting conditions.
Effects	Apply a special effect, such as sepia or black and white tones.
ISO	Adjust the sensitivity of the camera imaging sensor.
Exposure metering	Select a type of exposure metre.
Anti-Shake	Reduce blur caused by the device's vibration or movement.
Auto contrast	Automatically adjust contrast between your subject and background.
Image quality	Set the quality level for your photos.
Adjust	Adjust contrast, saturation, and sharpness.

Before capturing a photo, select → to access the following settings:

Setting	Function
Guidelines	Display guidelines on the preview screen.
Review	Set the camera to display the captured image.
Shutter sound	Set the camera shutter to make a sound when capturing a photo.
Storage	Select a memory location for storing captured photos.
Reset settings	Reset menus and shooting options.

Record a video

1. In Idle mode, press the Camera key to turn on the camera.
2. Rotate the phone anti-clockwise to landscape view.
3. Select to switch to the camcorder.
4. Aim the lens at the subject and make any necessary adjustments.



Number	Function
1	Check the camcorder status and settings. • 320 240: Resolution • : Default storage location • 00:52:51: Length of video that can be recorded (according to available memory)
2	Switch to the camera.
3	Change the recording mode (for attaching to a multimedia message or for saving normally).
4	Change the camcorder settings.
5	Change the flash setting; You can manually turn the flash on or off, or set the camera to automatically use the flash when needed.

Number	Function
6	Adjust the brightness; Select + to increase or – to decrease.
7	View the photo or video you capture last.

5 Press the Volume key to zoom in or out.

6 Press the Camera key to start recording.

7 Select ■ or press the Camera key to stop recording. The video is saved automatically.

After recording videos, select ▶ to view the recorded videos.

- To view more videos, scroll left or right.
- To play the video, select ▶ at the centre of the screen. During playback, double-tap the screen to pause or play again.
- To send the video to others via multimedia message, email, or the Bluetooth wireless feature, select **Send via**. You can also send the photo to a Microsoft Exchange server.
- To delete the video, select **Delete** → **Yes**.
- To post the video to a community website or blog, select **More** → **Upload to web**.
- To view videos as a slide show, select **More** → **Slide show**.

› Customise camcorder settings

Before recording a video, select ⚙ → 📷 to access the following options:

Option	Function
Timer	Select the length of the delay before the camera starts recording a video.
Resolution	Change the resolution option.

Option	Function
White balance	Adjust the colour balance according to lighting conditions.
Effects	Apply a special effect, such as sepia or black and white tones.
Video quality	Set the quality level for your videos.
Adjust	Adjust contrast, saturation, and sharpness.

Before recording a video, select → to access the following settings:

Setting	Function
Guidelines	Display the guidelines on the preview screen.
Audio recording	Turn the audio on or off.
Storage	Select a memory location for storing recorded videos.
Reset settings	Reset menus and shooting options.

Music player

Learn to listen to your favourite music while on the go with the music player. The music player supports the following file formats: mp3, aac, wma, 3gp, and m4a.

- Some file formats are not supported depending on the software of the phone.
- If the file size exceeds the available memory, an error can occur when you open files.

Add music files to your phone

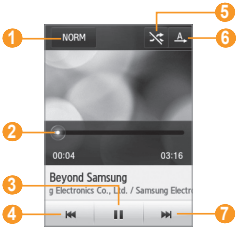
Start by transferring files to your phone or memory card:

- Download from the wireless web. ► p. 72
- Download from a PC with the optional Samsung Kies. ► p. 83
- Receive via Bluetooth. ► p. 82
- Copy to your memory card. ► p. 84
- Synchronise with Windows Media Player 11. ► p. 84

Play music

After transferring music files to your phone or memory card.

1. In Menu mode, select **Music player**.
2. Select a music category → a music file.
3. Control playback with the following icons:



Icon	Function
1 [1]	Change the equaliser type.
2 [1]	Move to a point of the file by dragging the bar.
3	Pause playback; Select ▶ to resume playback.

Icon	Function
4	Skip backward; Scan backward in a file (tap and hold).
5[1]	Activate Shuffle mode.
6[1]	Change the repeat mode (off, repeating one file, or repeating all files).
7	Skip forward; Scan forward in a file (tap and hold).

1. These icons are shown when you tap the player screen.

Create a playlist

1. In Menu mode, select **Music player**.
2. Select **Playlists** → **Create**.
3. Select the input field, enter a title for your new playlist, and select **Done**.
4. To assign an image to the playlist, select the image above **Tap to edit** and select an image or capture a new photo.
5. Select **Save**.
6. Select the new playlist.
7. Select **Add** → **Tracks**.
   You can add all music files from another playlist by selecting **Playlists** and then a playlist.
8. Select the files you want to include and select **Add**.

Find music

Learn to access an online music service to get information about a song.

- This service is not available from some service providers.
- The database may not include information for all songs.

1. In Menu mode, select **Find music**.
2. Select **Profile settings** to connect to the server.
3. Select SIM or USIM card → a connection profile to use.
4. Select **Find music**.
5. When your phone is successfully registered, select ● to record a part of a song.
6. Select ■ to stop recording.
7. Follow the on-screen instructions to send the recording to the music information server.

FM radio

Learn to listen to music and news on the FM radio. To listen to the FM radio, you must connect the supplied headset, which serves as the radio antenna.

› Listen to the FM radio

1. Plug the supplied headset into the phone.
2. In Menu mode, select **FM radio**.
3. Select **Yes** to start automatic tuning.
   The FM radio scans and saves available stations automatically.

- The first time you turn on the FM radio, you will be prompted to start automatic tuning.
- Automatic tuning will only locate stations with an adequate signal.

4 Control the FM radio with the following icons:

Number	Function
1	Access the favourites list.
2	Change the frequency by scrolling left or right on the scale bar.
3	Turn off the FM radio; Select ▶ to turn on the FM radio.
4	Change the frequency by 0.1 MHz.; Select an available radio station (tap and hold).
5	Change the sound output (headset or phone's speaker).
6	Record songs from the FM radio.

To get information about a song you hear on the FM radio, select **More** → **Find music**. ▶ p. 60

Save radio stations automatically

1 Plug the supplied headset into the phone.

2 In Menu mode, select **FM radio**.

3 Select **More** → **Self-tuning**.

4 Select **Yes** to confirm.
The FM radio scans and saves available stations automatically.

Record songs from the FM radio

1. Plug the supplied headset into the phone.
2. In Menu mode, select **FM radio**.
3. Select ▶ to turn on the FM radio.
4. Scroll to the radio station you want.
5. Select ● to start recording.
6. When you are finished recording, select **Stop**. The recorded file will be saved in **Radio clips** (in Menu mode, select **My files** → **Sounds**).

Add a radio station to the favourites list

1. Plug the supplied headset into the phone.
2. In Menu mode, select **FM radio**.
3. Select ▶ to turn on the FM radio.
4. Scroll to the radio station you want.
5. Select **Add to Favourites** to add to the favourites list.

Customise FM radio settings

1. In Menu mode, select **FM radio**.
2. Select **More** → **Settings**.
3. Adjust the following settings to customise your FM radio:

Option	Function
Alternative frequency	Set whether or not the FM radio attempts to retune a radio station when the current signal is weak.
Default name	Set a default prefix for FM radio clips.

4. When you are finished, select **Save**.

Games and more

Learn to use games and applications powered by award-winning Java technology.

The download of Java games or applications may not be supported depending on the software of the phone.

Download games and applications

1. In Menu mode, select **Games and more** → **More games**.

   Your phone connects to the website preset by your service provider.
2. Search for a game or application and download it to the phone.

Play games or launch applications

1. In Menu mode, select **Games and more**.
2. Select a game or application from the list and follow the on-screen instructions.

   Select **More** to access a list of various options and settings for your game or application.

- Available games or applications may vary depending on your region or service provider.
- Controls and options of games or applications may vary.

Personal information

Contacts

Learn to create and manage a list of your personal or business contacts stored on the phone's memory or a SIM or USIM card. You can save names, mobile phone numbers, home phone numbers, email addresses, birthdays and more for your contacts.

› Create a contact

You can save up to 2000 contacts in the phone's memory. The number of contacts you can save to the SIM or USIM card may vary depending on your card.

1. In Idle mode, select **Contacts** → **Create contact**.
2. Select a memory location (phone or SIM or USIM card).
3. Enter contact information.

   If you are saving the contact on a SIM or USIM card, you can save only the contact's name and a phone number.
4. Select **Save** to add the contact to memory.

You can also create a contact from the dialling screen.

1. In Idle mode, select **Keypad** and enter a phone number.
2. Select → **Add to Contacts** → **New**.
3. Select a memory location.
4. Enter contact information.
5. Select **Save** to add the contact to memory.

Find a contact

1 In Idle mode, select **Contacts**.

2 Select the search field and enter the first letters of the name you want.

You can also drag to select the first letter of the name.

3 Select the contact's name from the contact list.

Once you found a contact, you can:

- call the contact or send a message by selecting or → an option
- edit the contact information by selecting **Edit**

Set a favourite number

1 In Idle mode, select **Contacts**.

2 Select the **Contacts** drop-down menu and select **Favourites**.

3 Select a location number → a contact.

The contact is saved to the favourite number list.

- Once you set a favourite number, you can dial the number by tapping and holding the corresponding location number on the dialling screen.
- All favourite numbers will be assigned to the buddy list ( ) on the widget toolbar.

Create your name card

1 In Idle mode, select **Contacts**.

2 Select **More** → **My namecard**.

3 Enter you own personal details.

4 Select **Save**.

You can send your namecard by attaching it to a message or email or transferring it via the Bluetooth wireless feature or ActiveSync.

Create a group of contacts

By creating groups of contacts, you can manage multiple contacts and send messages or email to an entire group. Start by creating a group.

You can create up to 10 groups and include up to 2000 contacts to a group.

1. In Idle mode, select **Contacts**.
2. Select the **Contacts** drop-down menu and select **Groups**.
3. Select **Create group**.
4. Select a name, caller ID photo, ringtone, and vibration type for the group.
5. Select **Save**.

Create an FDN list

You can set up a list of contacts to be used in Fixed Dialling Number (FDN) mode that restricts outgoing calls if the feature is supported by your SIM or USIM card. The FDN list is saved on your SIM or USIM card.

1. In Idle mode, select **Contacts** → **More** → **FDN contacts**.
2. Select **Create FDN**.
3. Select a memory location.
4. Enter the PIN2 supplied with your SIM or USIM card and select **Done**.
5. Enter contact information.
6. Select **Save**.

   To restrict outgoing calls to only those numbers saved in the FDN list, activate FDN mode. ► p. 38

Copy or move contacts

1. In Idle mode, select **Contacts** → **More** → **Copy contacts** or **Move contacts**.
2. Select a copy or move option (from the phone to the SIM or USIM card, or from the SIM or USIM card to the phone).
3. Select contacts to copy or move.
4. When you are finished selecting contacts, select **Copy** or **Move**.

Calendar

Learn to create and manage daily, weekly or monthly events.

Create an event

1. In Menu mode, select **Calendar**.
2. Select **Create** → an event type.
3. Enter the details of the event as required.
4. Select **Save**.

View events

To change the calendar view,

1. In Menu mode, select **Calendar**.
2. Select **More** → **View by day**, **View by week** or **View by month**.

To view events of a specific date,

1. In Menu mode, select **Calendar**.

2 Select a date on the calendar. On the calendar, the dates with scheduled events are indicated with a triangle.

To move to a specific day by entering a date manually, select **More** → **Go to**, enter the date, and select **Go**.

- You can send the event to others by selecting **Send via** → an option.
- You can print the event via Bluetooth by selecting **More** → **Print via Bluetooth**.

3 Select an event to view its details.

To view events by event types,

1 In Menu mode, select **Calendar**.

2 Select **Event list** → an event type.

3 Select an event to view its details.

› Stop an event alarm

If you set an alarm for a calendar event, the alarm will sound at the specified time. To stop the alarm, tap and hold **Stop**.

Task

Learn to create a virtual task list and set alarms to remind yourself of important tasks or set priority.

› Create a task

1 In Menu mode, select **Task**.

2 Select **Create task**.

3 Enter the details of the task.
To add detailed settings, select **Set details**.

4 Select **Save**.

View tasks

1. In Menu mode, select **Task**.
2. Select the **Priority** drop-down menu and select a category (priority, status, or due date) to sort the tasks.
3. Select a task to view its details.

- For completed tasks with an expired deadline, you can set their status to completed. You will not be reminded of those tasks any longer.
- You can send the task to others by selecting **Send via** → an option.
- You can print the task via Bluetooth by selecting **More** → **Print via Bluetooth**.

Memo

Learn to record important information to save and view at a later date.

Create a memo

1. In Menu mode, select **Memo**.
2. Select **Create memo**.
3. Enter your memo text and select **Done**.

View memos

1. In Menu mode, select **Memo**.
2. Select a memo to view its details.

- You can send the memo to others by selecting **Send via** → an option.
- You can print the memo via Bluetooth by selecting **More** → **Print via Bluetooth**.

Voice recorder

Learn to operate your phone's voice recorder. You can set voice memos as call or alarm ringtones.

› Record a voice memo

1. In Menu mode, select **Voice recorder**.
2. Select ● to start recording.
3. Speak into the microphone.
4. When you are finished, select ■.
   Your memo is saved automatically.
5. To record more voice memos, select **Record** and repeat steps 2-4.

› Play a voice memo

1. In Menu mode, select **Voice recorder**.
2. Select **My voice clips** to access the voice memo list.
3. Select a voice memo.
4. Control playback with the on-screen keys:

Number	Function
1	Move to a point of the file by dragging the bar.
2	Skip backward; Scan backward in a file (tap and hold).
3	Pause playback; Select ▶ to resume playback.
4	Skip forward; Scan forward in a file (tap and hold).

You can send the voice memo to others by selecting **More** → **Send via** → an option.

Web

Internet

Learn to access and bookmark your favourite web pages.

- You may incur additional charges for accessing the web and downloading media. For details, contact your service provider.
- The web browser menu may be labelled differently depending on your service provider.
- Available icons may vary depending on your region or service provider.

› Set up an internet profile

To access the network and connect to the internet, you must activate a connection profile. In addition to profiles that are preset by your service provider, you can add your own connection profile.

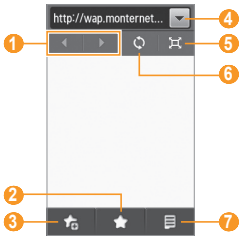
1. In Menu mode, select **Internet** → Settings → **Internet profiles**.
2. Select **Create**.
3. Customise the network settings. ► "Set up an MMS profile" (p. 41)

› Browse web pages

1. In Menu mode, select **Internet** → Home to launch a specified homepage.

   To access a specific web page, select the URL field, enter the web address (URL) of the web page, and select **Go**.

2 Navigate web pages with the following icons:



Number	Function
1	Move backward or forward to web pages in history.
2	Open a list of saved bookmarks.
3	Add the current web page to the bookmark list.

Number	Function
4	Open a list of open web pages.
5	Change the view mode.
6	Refresh the current web page.
7	Access a list of web browser options.

› Bookmark your favourite web pages

You can bookmark web pages you frequently visit for quick access. While navigating the web, select to bookmark the current web page.

If you know the web address of the web page, you can manually add a bookmark offline. To add a bookmark,

1 In Menu mode, select **Internet** → **Bookmarks**.

2 Select **Add**.

3 Enter a web address (URL) and a page title.

4 Select **Save**.

Customise browser settings

1 In Menu mode, select **Internet** → **Settings**.

2 Adjust the following settings to customise your web browser:

Option	Function
Clear cache	Clear the cache; The cache is a temporary memory location that saves information from recently accessed web pages.
Empty cookies	Delete cookies saved in the phone; Cookies are pieces of personal information sent to a web server while navigating the web.
Cookie options	Set whether or not to save cookies.
Delete history	Set whether or not to delete the history.
Preferences	Change display and sound settings for the web browser.
RSS update	Set the web browser to automatically update subscribed RSS feeds at regular intervals. Activating the auto update feature increase the amount of data downloaded and may incur additional charges.
Internet profiles	Select a connection profile to use for web connections.
About browser	Access version and copyright information about the web browser.

RSS reader

Learn to use the RSS reader to receive the latest news and information from your favourite websites.

Add an RSS feed address

1. In Menu mode, select **Internet** → RSS feeds.
2. Select **Add**.
3. Select the address input field.
4. Enter the address of an RSS feed and select **Done**.
5. Select **OK** → **Subscribe Now**.

Update and read RSS feeds

1. In Menu mode, select **Internet** → RSS feeds.
2. Select **Update** → a feed → **Update** → **Yes**.
3. Select a feed category → an updated feed.

The auto update feature sets the phone to automatically update RSS feeds at specified intervals. You can activate the auto update feature by selecting **Internet** → Settings → **RSS update**. Activating the auto update feature increase the amount of data downloaded and may incur additional charges.

Samsung Apps

Samsung Apps allows you to simply and easily download an abundance of useful applications to your phone.

Featuring a wealth of games, news, reference, social networking, widgets, health related applications and more, Samsung Apps gives you instant access to a huge choice in mobile experience.

Your phone gets smarter with fully optimised applications from Samsung Apps. Explore amazing applications and make your mobile life even better.

1 In Menu mode, select **Samsung Apps** .

2 Search for and download media files to the phone as desired.

- To use Samsung Apps, your phone must be connected to the internet using a cellular connection or WLAN.
- You may incur additional charges for accessing the internet and downloading applications.
- If the widget toolbar is full, downloaded widgets will not be automatically added to the widget toolbar. You must remove some widgets from the toolbar and add the new widgets manually.
- For details, please visit www.samsungapps.com. Or, refer to the Samsung Apps leaflet.
- This service may be unavailable depending on your region or service provider.

Exchange ActiveSync

Learn to synchronise personal data, such as emails, contacts, calendar events, and tasks, between your phone and your Microsoft Exchange server.

- You can use the Microsoft Exchange ActiveSync® feature only with services that are licensed by Microsoft Corporation.
- You may incur additional charges for accessing the server.

› Set up a Microsoft Exchange server and profile

1 In Menu mode, select **Exchange ActiveSync**.

2 Specify Microsoft Exchange server settings.

3 Select **Save**.

4 Select a connection profile to use for Exchange ActiveSync.

5 When you are finished, select **Save**.

6 Select **OK** to confirm the activation screen.

7 Select a synchronisation profile.
Synchronisation will begin with the Microsoft Exchange server you have specified.

› Start synchronisation

After configuring sync settings for each data type, you can synchronise your data with the Exchange server (either all data at the same time or email only).

To synchronise all items,

1 In Menu mode, select **Exchange ActiveSync**.

2 Select **Sync**.

If you synchronise all items, you may incur charges for updating items unnecessarily.

To synchronise only your emails,

1 In Menu mode, select **Exchange ActiveSync**.

2 Select **Email** → **Inbox** → **Sync** → **Email** → **Select**, or select **Outbox** → **Sync**.

Communities

Learn to share your photos and videos with other people on community websites and blogs.

This feature may be unavailable depending on your region or service provider.

› Set your favourite website or blog list

1 In Menu mode, select **Communities**.

2 Select a connection profile to access **Communities**.

3 Select **Yes** to set your favourite website or blog list (if necessary).

4 Select **Accept** to confirm that you agree to the general disclaimer.

The first time you access the menu, you will be prompted to confirm.

5 Select websites or blogs you want to add and select **Save**.

To update the community list again, select **Update lists**, new website or blogs will added to the list automatically.

› Share a file

To upload or view photos and videos, you must have accounts with photo sharing website and blogs.

1 In Menu mode, select **Communities**.

2 Select **Upload to web**.

3 Select a website or blog you want to access.

4 Enter your user ID and password and log in (if necessary).

5 To upload files, select **Tap to add** and select a media file.

6 Enter the post details and select **Upload**.

Community websites

Use Facebook and MySpace services.

1 In Menu mode, select **Facebook** or **MySpace**.

2 Share photos, videos, or messages with friends and family.

Google

Learn to use various Google services, such as search, mail, and map services.

- Some services may be unavailable depending on your region or service provider.
- The steps you must follow to use this feature may differ depending on your region or service provider.

› Use the Google Search service

1. In Menu mode, select **Google** → **Search**.
2. Select the search field.
3. Enter a keyword and select .

› Use the Google Mail service

You can access your Google Mail account and send or read email messages on your phone.

1. In Menu mode, select **Google** → **Mail**.
2. Enter your user ID and password and log in.
3. Send or receive emails.

› Use the Google Maps service

1. In Menu mode, select **Google** → **Maps**.
2. Scroll through the map.
3. Zoom in or out on the location you want.

Connectivity

Bluetooth

Bluetooth is a short-range wireless communications technology capable of exchanging information over a distance of about 10 m without requiring a physical connection.

You do not need to line up the devices to beam information with Bluetooth. If the devices are within range of one another, you can exchange information between them even if they are located in different rooms.

- Samsung is not responsible for the loss, interception, or misuse of data sent or received via the Bluetooth wireless feature.
- Always ensure that you share and receive data with devices that are trusted and properly secured. If there are obstacles between the devices, the operating distance may be reduced.
- Some devices, especially those that are not tested or approved by Bluetooth SIG, may be incompatible with your phone.

› Turn on the Bluetooth wireless feature

1. In Menu mode, select **Bluetooth**.
2. Select **On** to turn on the Bluetooth wireless feature.
3. To allow other devices to locate your phone, select **More** → **Settings** → **On** under **My phone's visibility** → a visibility option → **Save**.

   If you selected **Custom**, set duration that your phone is visible.

4 Select **Save**.

Find and pair with other Bluetooth-enabled devices

1 In Menu mode, select **Bluetooth** → **Search**.

2 Select a device.

3 Enter a PIN for the Bluetooth wireless feature or the other device's Bluetooth PIN, if it has one, and select **Done**. Alternatively, select **Yes** to match the PIN between your phone and the device.

When the owner of the other device enters the same PIN or accepts the connection, pairing is complete. If the pairing is successful, the device will automatically search for available services.

Some devices, especially headsets or hands-free car kits, may have a fixed Bluetooth PIN, such as 0000. If the other device has a PIN, you must enter it.

Once the phone is paired with another Bluetooth-enabled device, the device icon will turn blue. Select a paired device and use the following options:

- To browse the file directory of the device and exchange files, select **Browse files**.
- To check Bluetooth services available on your phone and information about the services, select **Service list**.
- To change the device name, select the connected device icon and select **Rename**.
- To allow the device to access your phone without your confirmation, select the connected device icon and select **Authorise device**.

Send data using the Bluetooth wireless feature

1 Select a file or item, such as a contact, calendar event, memo, task, or media file, from an appropriate application or **My files**.

2 Select **Send via** → **Bluetooth**, or select **More** → **Send namecard via** → **Bluetooth**.

› Receive data using the Bluetooth wireless feature

1 Enter the PIN for the Bluetooth wireless feature and select **OK** (if necessary).

2 Select **Yes** to confirm that you are willing to receive data from the device (if necessary).

Received data is saved to an appropriate application or folder according to its type. For example, a music or sound clip is saved to the sound folder and a contact to the phonebook.

› Print data using the Bluetooth wireless feature

1 In Menu mode, select **My files** → a memory location → an image category → an image.

2 Select **More** → **Print via** → **Bluetooth**.

3 Search for and pair with a Bluetooth-enable printer.

4 When connected to the printer, customise print options and print the data.

Wi-Fi

Learn to use your phone's wireless networking capabilities to activate and connect to any wireless local area network (WLAN) compatible with the IEEE 802.1x standard.

You can connect to the internet or other network devices anywhere an access point or wireless hotspot is available.

Your phone uses non-harmonised frequency and is intended for use in all European countries. The WLAN can be operated in the EU without restriction indoors, but cannot be operated outdoors in France.

› Activate the WLAN feature

1. In Menu mode, select **Wi-Fi**.
2. Select **On** to turn on the WLAN feature.

An active WLAN running in the background will consume battery power. To preserve battery power, activate the WLAN only when needed.

› Find and connect to a WLAN

1. In Menu mode, select **Wi-Fi** → **Search**.
2. Select a network → **Connect**.
3. Enter a password for the network and select **Done** (if necessary).

› Customise the connection profile

1. In Menu mode, select **Wi-Fi**.
2. Select the discovered WLAN AP → **Edit**.
   The current connection profile for the network appears.
3. Customise the connection profile of the selected WLAN. ► "Set up an MMS profile" (p. 41)
4. When you are finished, select **Save**.

PC connections

Learn to connect your phone to a PC with an optional PC data cable in various USB connection modes.

› Connect with Samsung Kies

Ensure that Samsung Kies is installed on your PC. You can download the program from the Samsung website (www.samsungmobile.com).

1. In Menu mode, select **Settings** → **Phone settings** → **PC connections** → **Samsung Kies** → **Save**.

2 Press [ ] to return to Idle mode.

3 Using an optional PC data cable, connect the multifunction jack on your phone to a PC.

4 Run Samsung Kies and use wireless connections or copy data and files.

Refer to the Samsung Kies help for more information.

Connect as a mass storage device

You can connect your phone to a PC as a removable disk and access the file directory. If you insert a memory card in the phone, you can also access the file directory of the memory card by using the phone as a memory card reader.

1 If you want to transfer files from or to a memory card, insert a memory card into the phone.

2 In Menu mode, select **Settings** → **Phone settings** → **PC connections** → **Mass storage** → **Save**.

3 Using an optional PC data cable, connect the multifunction jack on your phone to a PC.

When connected, a pop-up window will appear on the PC.

4 Open the folder to view files.

5 Copy files from the PC to the memory card.

Synchronise with Windows Media Player

Ensure that Windows Media Player is installed on your PC.

1 In Menu mode, select **Settings** → **Phone settings** → **PC connections** → **Media player** → **Save**.

2 Press [ ] to return to Idle mode.

3 Using an optional PC data cable, connect the multifunction jack on your phone to a PC with Windows Media Player installed.

When connected, a pop-up window will appear on the PC.

4 Open Windows Media Player to synchronise music files.

5 Edit or enter your phone's name in the pop-up window (if necessary).

6 Select and drag the music files you want to the sync list.

7 Start synchronisation.

Tools

Alarms

Learn to set and control alarms for important events.

› Set a new alarm

1. In Menu mode, select **Alarms**.
2. Select **Create alarm**.
3. Set alarm details.
4. When you are finished, select **Save**.

The auto power-up feature sets the phone to automatically turn on and sound the alarm at the designated time when the phone is turned off.

› Stop an alarm

When the alarm sounds,

- Tap and hold **Stop** to stop the alarm.
- Tap and hold **Snooze** to silence the alarm for the snooze period.

› Deactivate an alarm

1. In Menu mode, select **Alarms**.
2. Select **Off** under the alarm you want to deactivate.

Calculator

Learn to perform mathematical calculations directly on your phone like a typical hand-held or desktop calculator.

1. In Menu mode, select **Calculator**.
2. Use the keys that correspond to the calculator display to perform basic mathematical operations.

Convertor

Learn to convert currencies and units of measurement from one form to another.

› Perform a conversion

1. In Menu mode, select **Convertor** → a conversion type.
2. Enter the currencies or measurements and units in the appropriate fields.

› Update exchange rates

1. In Menu mode, select **Convertor** → **Currency**.
2. Select **View rate**.
3. Select ◀ or ▶ to select the starting currency.
4. Select **Edit**.
5. Enter new exchange values and select **Save**.

The currency converter may come pre-loaded with exchange rates for various major currencies. However, these rates may not be accurate at the time of use. To ensure proper currency conversion, always update the rates before performing currency conversions. Samsung is not responsible for inaccurate or incomplete currency data.

Dictionary

Learn to look up English or Chinese words in you dictionary and set up your own vocabulary list.

This feature may be unavailable depending on your region or service provider.

› Look up words

1. In Menu mode, select **Dictionary**.
2. Select **Tap to search**.

3 Enter a Chinese or English word and select **Done**.

4 Select the word.
To add the word to your vocabulary list, select **Save**.

Add a word to your dictionary

1 In Menu mode, select **Dictionary**.

2 Select **Add word**.

3 Enter a new word and the meaning of the word.

4 Select **Save** to add the word to your dictionary.

Review your vocabulary

1 In Menu mode, select **Dictionary**.

2 Select the **Search...** drop-down menu and select **Wordbook**.

3 Select a word from the list.

View the history

1 In Menu mode, select **Dictionary**.

2 Select the **Search...** drop-down menu and select **History** to see a list of words you have looked up.

Test your vocabulary

1 In Menu mode, select **Dictionary**.

2 Select the **Search...** drop-down menu and select **Review test**.
The meaning of the word you saved will display.

3 Select the input field, enter a word that corresponds to the meaning, and select **Done**.

4 To check the answer, select **Show answer**.

Image editor

You can edit images and apply fun effects.

Apply effects to images

1. In Menu mode, select **Image editor**.
2. Rotate the phone anti-clockwise to landscape view.
3. Select **Load an image for editing** to access Edit mode.
4. Select an image → **Add**.
5. Select **Effects** → an effect option (filter, style, warp, or partial blur).
6. Select a variation of the effect to apply and select **OK**.
   To apply a blur effect to a specific area of an image, move or resize the rectangle and select **OK** → **OK**.
7. When you are finished, select **File** → **Save as**.
8. Select a memory location (if necessary).
9. Enter a new file name for the image and select **Done**.

Adjust an image

1. Open an image to edit.
2. Select **Adjust** → an adjustment option (brightness, contrast, or colour).
   To adjust the image automatically, select **Auto level**.
3. Adjust the image as desired and select **OK**.
4. Save the edited image with a new file name.

Transform an image

1. Open an image to edit.
2. Select the arrow at the bottom right of the screen.
3. Select (for rotating or flipping) or (for resizing).

4 Rotate, flip, or resize the image as desired and select **OK**.

5 Save the edited image with a new file name.

Crop an image

1 Open an image to edit.

2 Select the arrow at the bottom right of the screen.

3 Select .

4 Move or resize the rectangle over the area you want to crop and select **OK** → **OK**.

5 Save the edited image with a new file name.

Insert a visual feature

1 Open an image to edit.

2 Select the arrow at the bottom right of the screen.

3 Select , , , or .

4 Select a visual feature (image, emoticon, or clip art), or enter text and select **Done**.

5 Move or resize the visual feature and select **OK**.

6 Save the edited image with a new file name.

My files

Learn to quickly and easily access all of your images, videos, music, sound clips, and other types of files stored on the phone or a memory card.

Supported file formats

Your phone supports the following file formats:

Type	Supported format
Image	bmp, jpg, gif, png, tif, wbmp, agif

Type	Supported format
Video	mp4, 3gp
Music	mp3, 3gp, aac, m4a, wma
Sound	amr, wav, xmf, imy, midi
Others	doc, docx, pdf, ppt, pptx, txt, xls, xlsx, htm, html, svp, vbm, vcf, vcs, vnt, jad, jar, crt, der, svg, swf

- Some file formats are not supported depending on the software of the phone.
- If the file size exceeds the available memory, an error can occur when you open files.

View a file

1 In Menu mode, select **My files** → a file type.
Folders or files on the memory card are indicated by a memory card icon.

2 Select a folder → a file.
- In **Pictures**, you can view photos you have captured and images you have downloaded or received from other sources.
- In **Videos**, you can play videos you have captured and ones you have downloaded or received from other sources.
- In **Sounds**, you can play all ringtones, music files, and sound clips you have recorded, including voice memos and FM radio clips.
- In **Others**, you can view documents and data files including unsupported files.

In a folder, select **More** to use the following options:

- To delete the file, select **Delete**.
- To change the name of a file, select **Rename**.
- To sort files as desired, select **List by**.
- To send a file via Bluetooth, select **Send via Bluetooth**.

- To set Bluetooth visibility for files, select **Bluetooth visibility**.
- To protect the files from accidental deletion, select **Protection**.
- To restore a backed-up message to an appropriate message folder, select **Restore**.

› Print an image

You can print your jpg images with a USB connection or the Bluetooth wireless feature.

Print an image using a USB connection

1. Connect your phone to a PictBridge-enabled printer with a PC data cable.
2. In Menu mode, select **My files** → **Pictures** → an image.
3. Select **More** → **Print via** → **USB**.
4. Set print options and print the image.

Print an image using the Bluetooth wireless feature

1. In Menu mode, select **My files** → **Pictures** → an image.
2. Select **More** → **Print via** → **Bluetooth**.
3. Select a Bluetooth-enabled printer and pair with the printer. ► p. 81
4. Set print options and print the image.

› Set an image as your wallpaper

You can set your photos or images as a background image for the idle screen.

1. In Menu mode, select **My files** → **Pictures** → an image.
2. Select **More** → **Set as** → **Wallpaper**.

› Set a sound clip as your ringtone

You can set any music or sound clips in the sound folder as ringtones for incoming calls or alarms.

1. In Menu mode, select **My files** → **Sounds** → a sound clip.
2. During playback, select **Set as** → an option.

SIM Applications

Use a variety of additional services offered by your service provider. Depending on your SIM or USIM card, this menu may be available but labelled differently.

In Menu mode, select **SIM Applications**.

Stopwatch

1. In Menu mode, select **Stopwatch**.
2. Select **Start** to begin the stopwatch.
3. Select **Lap** to record lap times.
4. When you are finished, select **Stop**.
5. Select **Reset** to clear recorded times.

Timer

1. In Menu mode, select **Timer**.
2. Set the length of time to count down.
3. Select **Start** to begin the countdown.
   You can now use other functions with the timer counting down in the background. Press the Back key or [ ] and access another application.

4 When the timer expires, tap and hold **Stop** to stop the alert.

Video editor

Create video files and apply visual effects with files in jpeg and jpg formats.

› Make a new video

1 In Menu mode, select **Video editor**.

2 Rotate the phone anti-clockwise to landscape view.

Video editor interface appears only in the landscape orientation.

3 Select **Tap here to import a scene**.

4 Select an image or video category → an image or video and select **Add**.

5 To add more images or videos, select → **Add scene** and repeat step 4.

To select the duration that an image displays, select the image → **Duration**.

To delete images or videos, select the image → **Delete**.

To rearrange images or videos, tap and hold an item and move it to the location you want.

6 To add text between images or videos, select → **Add text**.

7 Enter the text you want and select **Done**.

8 Move or resize the added text and select **OK**.

To change the text attribute or colour, select an icon (Aa, , , , or).

9 Select **Tap here to add background music** → a sound category → a sound → **Add**.

10 Select → **Add transition** to add a transition effect between images or videos and select an effect option.

11 When you are finished, select **Files** → **Export**.
To save the project for future use, select **Files** → **Save project**. The project will be saved in **Others**.

12 Enter a new file name and select **Done**.

Trim a segment of a video

1 Import a video.

2 Select a video → **Trim**.

3 Select ▶ to start playback.

4 Move ◀ ▾ ▶ on the left to the point where you want the new video to begin.

5 Move ◀ ▾ ▶ on the right to the point where you want the new video to end.

6 Select .

7 Save the edited video with a new file name.

Split a video

1 Import a video.

2 Select a video → **Split**.

3 Select ▶ to start playback.

4 Move ◀ ▾ ▶ on the left to the point where you want to divide the file into two clips.

5 Select .

6 Save the edited video with a new file name.

Apply an effect to a video

1 Import a video.

2 Select a video → **Effects** → an effect option.

3 Save the edited video with a new file name.

Add caption to a video

1. Import a video.
2. Select a video → **Caption**.
3. Select ▶ to start playback.
4. Move ◀ ▼ ▶ on the left to the point where you want the text to be displayed.
5. Move ◀ ▼ ▶ on the right to the point where you want the text to be disappeared.
6. Select .
7. Enter the text you want and select **Done**.
8. Move or resize the added text and select **OK**.
   To change the text attribute or colour, select the text → an icon (Aa, tT, T, or).
9. Save the edited video with a new file name.

World clock

Learn to view the time in another region and set world clocks to appear on your display.

View a world clock

1. In Menu mode, select **World clock**.
2. Scroll left or right through the world map.

Create a world clock

1. In Menu mode, select **World clock**.
2. Select → **Add**.
3. Select a time zone.
   To apply the summer time to the clock, select .

4 Select **Add** to create your world clock.
The world clock is set as the second clock.

5 To add more world clocks, select **Add** and repeat steps 3-4.

› Add a world clock to your display

With the dual clock widget, you can view clocks with two different time zones on your display.

After you have created world clocks,

1 In Menu mode, select **World clock**.

2 Select → **Set as 2nd clock**.

3 Select the world clock to add to the dual clock widget.

4 Select **Set**.

Settings

Access the Settings menu

1. In Menu mode, select **Settings**.
2. Select a setting category and select an option.
3. Customise the setting and select **Save** or **Set**.

Phone profiles

Select a sound profile to use or customise sound options in profiles as desired.

To customise a profile, select » and customise the following sound options:

› Incoming call

- **Call alert type**: Select how the phone will alert you to incoming calls (melody, vibration, or both).
- **Voice call ringtone**: Select a ringtone to use if you set the phone to alert you to incoming voice calls by playing a melody.
- **Video call ringtone**: Select a ringtone to use if you set the phone to alert you to incoming video calls by playing a melody.
- **Call alert volume**: Adjust the volume level for the call ringtone.
- **Call alert vibration**: Select a vibration type to use with the call ringtone.

› New messages

- **Message alert type**: Select how the phone will alert you to incoming messages (melody, vibration, or both).

- **Message alert tone**: Select a ringtone to use if you set the phone to alert you to incoming messages by playing a melody.
- **Message alert repetition**: Set how often the phone will alert you to new messages.
- **Alert tone volume**: Adjust the volume level for the message ringtone.
- **Message alert vibration**: Select a vibration type to use with the message ringtone.

› Phone sounds

- **Power-on type**: Select how the phone will alert you when the phone turns on.
- **Power-off type**: Select how the phone will alert you when the phone turns off.
- **Phone sound volume**: Adjust the volume level for other phone sounds.

Display and light

Access and alter the following settings to control the display and usage of light on your phone:

- **Wallpaper**: Select a background image for the idle screen.
- **Widget**: Select widgets to be available on the toolbar.
- **Greeting message**: Edit the message that greets you when you turn on your phone.
- **Brightness**: Set the brightness of the display.
- **Backlight time**: Set the length of time the phone waits before turning off the display's backlight.

Time and date

Access and alter the following settings to control how time and date are displayed on your phone:

If the battery is removed for more than a few minutes, the time and date will be reset.

- **Time zone**: Set your home time zone.
- **Time format**: Select a time format.
- **Time**: Directly set the current time.
- **Date format**: Select a date format.
- **Date**: Directly set the current date.
- **Automatic time update**: Automatically updates the time when you move across time zones.

Phone settings

Access and alter the following settings to control general settings for your phone:

- **Language**: Select a language to use on the phone's display and text input.
- **Vibration feedback**: Adjust the intensity of the vibration that results from tapping the screen.
- **Calibration**: Realign your touch screen's sensors with your inputs.
- **Missed caller information**: Set whether or not to display the caller information for missed calls and messages.
- **Etiquette pause**: Activate the etiquette pause feature, which allows you to mute the current event sound by placing the phone face down.
- **PC connections**: Set a USB mode to be activated when you connect the phone to a PC. ► p. 83
- **Licence settings**: Customise the settings related with license keys, such as tracking, alert for expiry, or downloading in foreign networks.

Smart unlock

Activate the gesture unlock feature that allows you to unlock the touch screen and keys by drawing a specified character. ► p. 26

Touch panel

Set the phone to automatically lock the touch screen and the keys when you do not use the phone for a specified period.

Application settings

Access and alter the following settings to control your phone's applications:

› Call

Customise the settings for calling features:

- **All calls**:
  - **Show my number**: Show your mobile phone number to recipients (You must insert the SIM or USIM card to use this feature).
  - **Auto reject**: Specify a list of callers to automatically reject.
  - **Answering mode**: Set how to answer calls— either by pressing [ ] or by pressing any key—or set the phone to answer automatically after a specified period.
  - **Call status tones**: Activate or deactivate connection, minute minder, or call disconnect tones.
  - **Alerts on call**: Activate or deactivate an alert for incoming calls.
- **Voice call**:
  - **Call diverting**: Divert incoming calls to another number.
  - **Call barring**: Block incoming or outgoing calls.
  - **Call waiting**: Specify options for handling an incoming call when you are already on a call.
  - **Auto redial**: Specify options for automatically redialling a call that was not connected.
- **Video call**:
  - **Select my image**: Select an image to be shown to the other party.

- **Show my image**: Set whether to show your image to the other party.
- **Use call fail options**: Select a retry option to use when a video call fails to connect.
- **Call diverting**: Divert incoming calls to another number.
- **Call barring**: Block calls from specified numbers.
- **Auto redial**: Set whether or not to redial when a video call fails to connect or is interrupted.

• **Fake call**: Customise the settings for fake calls. ► p. 37

› Messages

Customise the settings for messaging features.

• **Text messages**:
- **Sending options**:
  Network selection: Select network bearer type for sending text messages.
  Reply path: Allow recipients to reply to you through your text message server.
  Get delivery report: Set the network to inform you when your messages are delivered.
  Keep a copy: Set whether or not to save a copy of sent messages in the sentbox.
- **Text message centre**: Set up SMS centres.

• **Multimedia messages**:
- **Sending options**:
  Priority: Set the priority level of your messages.
  Expiration: Set how long your messages are stored in the multimedia message server.
  Delivery time: Set a time delay before your messages are sent.
  Hide address: Set your caller ID to be hidden from outgoing messages.
  Get delivery report: Send a request for a delivery report along with your message to be informed when your messages are delivered.
  Get read report: Send a request along with your messages to be informed when your messages are read.

Keep a copy: Set whether or not to save a copy of sent messages in the sentbox.

Add my namecard: Set whether or not to add your namecard to your outgoing messages.

- **Receiving options**:

  Home network: Set whether or not your phone automatically retrieves new messages when you are in your home service area.

  Foreign network: Set whether or not your phone automatically retrieves new messages when you are roaming on another network.

  Send read report: Set the network to inform senders when you read messages.

  Send delivery report: Set the network to inform the sender when a message is delivered to you.

  Reject unknown: Reject messages from unknown senders.

  Reject advertisement: Reject advertisement messages.

- **Multimedia message profiles**: Select a connection profile to use for sending or receiving messages.
- **Message size**: Select a maximum size allowed for messages. Available message size may vary depending on your country.
- **Auto resize image**: Set whether or not to resize an image to add to multimedia messages.
- **Creation mode**: Select a mode for creating multimedia messages. You can select to create messages with any type of content and of any size or to receive alert messages about content type or size.
- **Default style**: Set the default message attributes, such as font style, size, colour, and background colour.

• **Email**:

- **Sending options**:

  From: Enter your email address as the sender's address.

  Send account: Select an account for sending messages.

Priority: Set the priority level of your messages.
Keep a copy: Set whether or not to save a copy of sent messages in the server.
Reply with body: Set whether or not to include an original message when you reply to a message.
Forward with files: Set whether or not to include attachments when you forward a message.
Get read report: Send a request for a read report along with your messages to be informed when your messages are read.
Get delivery report: Send a request for a delivery report along with your messages to be informed when your messages are delivered.
Add my namecard: Set whether or not to add your namecard to your outgoing messages.
Add signature: Set whether or not to add your signature to your outgoing messages.

- **Receiving options**:
  Download limit: Set the maximum number of messages to download from the server.
  Auto polling: Set the phone to automatically connect to the server to check for new messages.
  Polling frequency: Set how often the phone will check the server for new messages.
  Send read report: Set the network to inform senders when you read messages.
  Block address: Block messages from specific addresses.
  Block subject: Block messages that contain specific subjects.
  - **Email profiles**: Select a connection profile to use for sending or receiving messages.
  - **Email accounts**: Set up email accounts.
  - **Email setup wizard**: Initiate the wizard that helps you set up an email account.

• **Push messages**:
  - **Service loading**: Set whether or not to access the linked service web page when you open a push message.

- **Receiving options**: Set whether or not to receive messages pushed from web servers.

- **Broadcast messages**:
  - **Activation**: Set the activation of broadcast messages.
  - **Receiving channels**: Select the channels you want to receive.
  - **My channels**: Set the number of channels you select.
  - **Language**: Select the languages of broadcast messages.
- **Voice mail number**: Set the number of your voice mail server.

› Contacts

Customise the settings for the phonebook.

- **Memory in use**: Set where to save new contacts.
- **Own numbers**: Store and manage your own numbers.
- **One hand operation**: Select layout for onehanded operation. The layout of the contact list changes to allow right-handed or left-handed users to access the list with one hand.

› Calendar

Customise the settings for the calendar.

- **Starting day**: Set which day should begin the week (Sunday or Monday).
- **View by**: Set the default calendar view (month, week, or day).

› Internet

Customise the settings for the web browser. ► p. 72

› Media player

Customise the settings for the music player and video player.

- **Music player settings**: Set the music player options. ► p. 57
- **VOD settings**: Select a connection profile to use for playing Video-On-Demand (VOD) content.

Security

Access and alter the following settings to secure your phone and data:

- **Phone**
  - **Phone lock**: Activate or deactivate the phone lock feature to require a phone password before using the phone.
  - **SIM lock**: Activate or deactivate the SIM lock feature to require the SIM password when you change the SIM or USIM card.
  - **Privacy lock**: Make various types of data private; To access private data, you must enter your phone password.
  - **Change password**: Change the phone password.
  - **Mobile tracker**: Activate or deactivate the mobile tracker feature, which helps you locate your phone when it is lost or stolen. ► p. 27
- **SIM**
  - **PIN lock**: Activate or deactivate the SIM lock feature to require the SIM password when you change the SIM or USIM card.
  - **Fixed dialling mode**: Activate or deactivate FDN mode to restrict calls to number in the FDN list.
  - **Change PIN**: Change the PIN used to access SIM or USIM data.
  - **Change PIN2**: Change the PIN2, which is used to protect the primary PIN.

Network settings

Access or alter the following settings to control how your phone selects and connects to networks:

- **Select network**: Set the network selection method to automatic or manual.
- **Network mode**: Select a network band.
- **Connections**: Set up connection profiles to use for network features.

Memory settings

Access and alter the following settings to control your phone's memory use:

- **Clear phone memory**: Erase the selected data from your phone's memory.

This will permanently erase all selected data from the phone's memory.

- **Memory card details**: Access details about your memory card and set Bluetooth visibility for files in the memory card. You can also format the memory card or change the memory card's name.
- **Default memory**: Select the default memory location to use when transferring data, capturing images and videos, or recording voice memos.
- **Memory status**: View the used and available memory for various types of files.

Reset settings

Reset various settings to the factory default values. Select which settings to reset. You must enter your phone password to reset the settings.

Overview of menu functions

The following table shows available menus in Menu mode. The order of menus may differ depending on the software of the phone and you are able to change the order. Available menus may differ depending on your service provider or SIM or USIM card.

Logs	▶ 39	Calendar	▶ 67	Find music	▶ 60	Video editor	▶ 94
Facebook	▶ 78	Camera	▶ 49	Google	▶ 79	Games and more	▶ 63
Music player	▶ 57	Communities	▶ 77	FM radio	▶ 60	Voice recorder	▶ 70
Internet	▶ 72	Messenger	▶ 48	Exchange ActiveSync	▶ 76	Dictionary	▶ 87
MySpace	▶ 78	Alarms	▶ 86	Image editor	▶ 89	Bluetooth	▶ 80
My files[1]	▶ 90	Settings	▶ 98			Wi-Fi	▶ 82

Memo	▶ 69
Samsung Apps	▶ 75
Task	▶ 68
Calculator	▶ 86
Convertor	▶ 87
World clock	▶ 96
Timer	▶ 93
Stopwatch	▶ 93
SIM manager	▶ 28
SIM Applications[2]	▶ 93

1. Additional folders will be available if you insert a memory card.
2. Available or labelled differently depending on your SIM or USIM card.

Troubleshooting

When you turn on your phone or while you are using the phone, it prompts you to enter one of the following codes:

Code	Try this to solve the problem:
Password	When the phone lock feature is enabled, you must enter the password you set for the phone.
PIN	When using the phone for the first time or when the PIN requirement is enabled, you must enter the PIN supplied with the SIM or USIM card. You can disable this feature by using the **PIN lock** menu.
PUK	Your SIM or USIM card is blocked, usually as a result of entering your PIN incorrectly several times. You must enter the PUK supplied by your service provider.
PIN2	When you access a menu requiring the PIN2, you must enter the PIN2 supplied with the SIM or USIM card. For details, contact your service provider.

Your phone displays "Service unavailable" or "Network error"

- When you are in areas with weak signals or poor reception, you may lose reception. Move to another area and try again.
- You cannot access some options without a subscription. Contact your service provider for more details.

The touch screen responds slowly or improperly

If your phone has a touch screen and the touch screen is not responding properly, try the following:

- Remove any protective covers from the touch screen. Protective covers may prevent the phone from recognising your inputs and are not recommended for touch screen phones.
- Depending on the type of touch screen on your phone, only certain inputs may be recognised. Try tapping an icon with your fingertip, your fingernail, or a stylus.
- Ensure that your hands are clean and dry when tapping the touch screen.
- Restart your phone to clear any temporary software bugs.
- Ensure that your phone software is upgraded to the latest version.
- If the touch screen is scratched or damaged, take it to your local Samsung Service Centre.

Calls are being dropped

When you are in areas with weak signals or poor reception, you may lose your connection to the network. Move to another area and try again.

Outgoing calls are not connected

- Ensure that you have pressed the Dial key.
- Ensure that you have accessed the right cellular network.
- Ensure that you have not set call barring for the phone number you are dialling.

Incoming calls are not connected

- Ensure that your phone is turned on.
- Ensure that you have accessed the right cellular network.
- Ensure that you have not set call barring for the incoming phone number.

Others cannot hear you speaking on a call

- Ensure that you are not covering the built-in microphone.
- Ensure that the microphone is close to your mouth.
- If using a headset, ensure that it is properly connected.

Audio quality is poor

- Ensure that you are not blocking the phone's internal antenna.
- When you are in areas with weak signals or poor reception, you may lose reception. Move to another area and try again.

When dialling from contacts, the call is not connected

- Ensure that the correct number is stored in the contact list.
- Re-enter and save the number, if necessary.
- Ensure that you have not set call barring for the contact's phone number.

The phone beeps and the battery icon flashes

Your battery is low. Recharge or replace the battery to continue using the phone.

The battery does not charge properly or the phone turns off

- The battery terminals may be dirty. Wipe both gold-coloured contacts with a clean, soft cloth and try charging the battery again.
- If the battery will no longer charge completely, dispose of the old battery properly and replace it with a new battery (refer to your local ordinances for proper disposal instructions).

Your phone is hot to the touch

When you use applications that require more power or use applications on your phone for an extended period of time, your phone may feel hot to the touch. This is normal and should not affect your phone's lifespan or performance.

Error messages appear when launching the camera

Your Samsung mobile phone must have sufficient available memory and battery power to operate the camera application. If you receive error messages when launching the camera, try the following:

- Charge the battery or replace it with a battery that is fully charged.
- Free some memory by transferring files to a PC or deleting files from your phone.
- Restart the phone. If you are still having trouble with the camera application after trying these tips, contact a Samsung Service Centre.

Error messages appear when launching the FM radio

The FM radio application on your Samsung mobile phone uses the headset cable as an antenna. Without a headset connected, the FM radio will be unable to receive radio stations. To use the FM radio, first ensure that the headset is properly connected. Next, scan for and save the available radio stations.

If you still cannot use the FM radio after performing these steps, try accessing your desired station with another radio receiver. If you can hear the station with another receiver, your phone may require service. Contact a Samsung Service Centre.

Error messages appear when opening music files

Some music files may not play on your Samsung mobile phone for a variety of reasons. If you receive error messages when opening music files on your phone, try the following:

- Free some memory by transferring files to a PC or deleting files from your phone.
- Ensure that the music file is not Digital Rights Management (DRM)-protected. If the file is DRMprotected, ensure that you have the appropriate license or key to play the file.
- Ensure that your phone supports the file type.

Another Bluetooth device is not located

- Ensure that the Bluetooth wireless feature is activated on your phone.
- Ensure that the Bluetooth wireless feature is activated on the device you wish to connect to, if necessary.
- Ensure that your phone and the other Bluetooth device are within the maximum Bluetooth range (10 m). If the tips above do not solve the problem, contact a Samsung Service Centre.

A connection is not established when you connect the phone to a PC

- Ensure that the PC data cable you are using is compatible with your phone.
- Ensure that you have the proper drivers installed and updated on your PC.

Safety precautions

To prevent injury to yourself and others or damage to your device, read all of the following information before using your device.

Warning: Prevent electric shock, fire, and explosion

Do not use damaged power cords or plugs, or loose electrical sockets

Do not touch the power cord with wet hands, or disconnect the charger by pulling on the cord

Do not bend or damage the power cord

Do not use your device while charging or touch your device with wet hands

Do not short-circuit the charger or the battery

Do not drop or cause an impact to the charger or the battery

Do not charge the battery with chargers that are not approved by the manufacturer

Do not use your device during a thunderstorm

Your device may malfunction and your risk of electric shock is increased.

Do not handle a damaged or leaking Lithium Ion (Li-Ion) battery

For safe disposal of your Li-Ion batteries, contact your nearest authorised service centre.

Handle and dispose of batteries and chargers with care

- Use only Samsung-approved batteries and chargers specifically designed for your device. Incompatible batteries and chargers can cause serious injuries or damage to your device.
- Never dispose of batteries or devices in a fire. Follow all local regulations when disposing of used batteries or devices.
- Never place batteries or devices on or in heating devices, such as microwave ovens, stoves, or radiators. Batteries may explode when overheated.
- Never crush or puncture the battery. Avoid exposing the battery to high external pressure, which can lead to an internal short circuit and overheating.

Protect the device, batteries, and chargers from damage

- Avoid exposing your device and batteries to very cold or very hot temperatures.
- Extreme temperatures can cause the deformation of the device and reduce the charging capacity and life of your device and batteries.
- Prevent batteries from contacting metal objects, as this can create a connection between the + and – terminals of your batteries and lead to temporary or permanent battery damage.
- Never use a damaged charger or battery.

Caution: Follow all safety warnings and regulations when using your device in restricted areas

Turn off your device where prohibited

Comply with all regulations that restrict the use of a mobile device in a particular area.

Do not use your device near other electronic devices

Most electronic devices use radio frequency signals. Your device may interfere with other electronic devices.

Do not use your device near a pacemaker

- Avoid using your device within a 15 cm range of a pacemaker if possible, as your device can interfere with the pacemaker.
- If you must use your device, keep at least 15 cm away from the pacemaker.
- To minimise the possible interference with a pacemaker, use your device on the opposite side of your body from the pacemaker.

Do not use your device in a hospital or near medical equipment that can be interfered with by radio frequency

If you personally use any medical equipment, contact the manufacturer of the equipment to ensure the safety of your equipment from radio frequency.

If you are using a hearing aid, contact the manufacturer for information about radio interference

Some hearing aids may be interfered with by the radio frequency of your device. Contact the manufacturer to ensure the safety of your hearing aid.

Turn off the device in potentially explosive environments

- Turn off your device in potentially explosive environments instead of removing the battery.
- Always comply with regulations, instructions and signs in potentially explosive environments.

- Do not use your device at refuelling points (service stations) or near fuels or chemicals, and at blasting areas.
- Do not store or carry flammable liquids, gases, or explosive materials in the same compartment as the device, its parts, or accessories.

Turn off your device when in an aircraft

Using your device in an aircraft is illegal. Your device may interfere with the electronic navigation instruments of the aircraft.

Electronic devices in a motor vehicle may malfunction due to the radio frequency of your device

Electronic devices in your car may malfunction due to radio frequency of your device. Contact the manufacturer for more information.

Comply with all safety warnings and regulations regarding mobile device usage while operating a vehicle

While driving, safely operating the vehicle is your first responsibility. Never use your mobile device while driving, if it is prohibited by law. For your safety and the safety of others, practice good common sense and remember the following tips:

- Use a hands-free device.
- Get to know your device and its convenience features, such as speed dial and redial. These features help you reduce the time needed to place or receive calls on your mobile device.
- Position your device within easy reach. Be able to access your wireless device without removing your eyes from the road. If you receive an incoming call at an inconvenient time, let your voice mail answer it for you.
- Let the person you are speaking with know you are driving. Suspend calls in heavy traffic or hazardous weather conditions. Rain, sleet, snow, ice, and heavy traffic can be hazardous.
- Do not take notes or look up phone numbers. Jotting down a "to do" list or flipping through your address book takes attention away from your primary responsibility of driving safely.
- Dial sensibly and assess the traffic. Place calls when you are not moving or before pulling into traffic. Try to plan calls when your car will be stationary. If you need to make a call, dial only a few numbers, check the road and your mirrors, then continue.
- Do not engage in stressful or emotional conversations that may be distracting. Make people you are talking with aware you are driving and suspend conversations that have the potential to divert your attention from the road.
- Use your device to call for help. Dial a local emergency number in the case of fire, traffic accident, or medical emergencies.

- Use your device to help others in emergencies. If you see an auto accident, a crime in progress, or a serious emergency where lives are in danger, call a local emergency number.
- Call roadside assistance or a special, non-emergency assistance number when necessary. If you see a broken-down vehicle posing no serious hazard, a broken traffic signal, a minor traffic accident where no one appears injured, or a vehicle you know to be stolen, call roadside assistance or another special, non-emergency number.

Proper care and use of your mobile device

Keep your device dry

- Humidity and all types of liquids may damage device parts or electronic circuits.
- When wet, remove the battery without turning on your device. Dry your device with a towel and take it to a service centre.
- Liquids will change the colour of the label that indicates water damage inside the device. Water damage to your device can void your manufacturer's warranty.

Do not use or store your device in dusty, dirty areas

Dust can cause your device to malfunction.

Do not store your device on slopes

If your device falls, it can be damaged.

Do not store your device in hot or cold areas. Use your device at -20 °C to 50 °C

- Your device can explode if left inside a closed vehicle, as the inside temperature can reach up to 80 °C.
- Do not expose your device to direct sunlight for extended periods of time (such as on the dashboard of a car).
- Store the battery at 0 °C to 40 °C.

Do not store your device with such metal objects as coins, keys and necklaces

- Your device may become deformed or malfunction.
- If the battery terminals are in contact with metal objects, it may cause a fire.

Do not store your device near magnetic fields

- Your device may malfunction or the battery may discharge from exposure to magnetic fields.
- Magnetic stripe cards, including credit cards, phone cards, passbooks, and boarding passes, may be damaged by magnetic fields.

- Do not use carrying cases or accessories with magnetic closures or allow your device to come in contact with magnetic fields for extended periods of time.

Do not store your device near or in heaters, microwaves, hot cooking equipment, or high pressure containers

- The battery may leak.
- Your device may overheat and cause a fire.

Do not drop your device or cause impacts to your device

- The screen of your device may be damaged.
- If bent or deformed, your device may be damaged or parts may malfunction.

Do not use a flash close to the eyes of people or animals

Using a flash close to the eyes may cause temporary loss of vision or damage to the eyes.

Ensure maximum battery and charger life

- Avoid charging batteries for more than a week, as overcharging may shorten battery life.
- Over time, unused batteries will discharge and must be recharged before use.
- Disconnect chargers from power sources when not in use.
- Use batteries only for their intended purposes.

Use manufacturer-approved batteries, chargers, accessories and supplies

- Using generic batteries or chargers may shorten the life of your device or cause the device to malfunction.
- Samsung cannot be responsible for the user's safety when using accessories or supplies that are not approved by Samsung.

Do not bite or suck on the device or the battery

- Doing so may damage the device or cause explosion.
- If children use the device, make sure that they use the device properly.

When speaking on the device:

- Hold the device upright, as you would with a traditional phone.
- Speak directly into the mouthpiece.
- Avoid contact with your device's internal antenna. Touching the antenna may reduce the call quality or cause the device to transmit more radio frequency than necessary.
- Hold the device with a relaxed grip, press the keys lightly, use special features that reduce the number of keys you have to press (such as templates and predictive text), and take frequent breaks.

Protect your hearing

- Excessive exposure to loud sounds can cause hearing damage.
- Exposure to loud sounds while driving may distract your attention and cause an accident.
- Always turn the volume down before plugging the earphones into an audio source and use only the minimum volume setting necessary to hear your conversation or music.

Use caution when using the device while walking or moving

Always be aware of your surroundings to avoid injury to yourself or others.

Do not carry your device in your back pockets or around your waist

You can be injured or damage the device if you fall.

Do not disassemble, modify, or repair your device

- Any changes or modifications to your device can void your manufacturer's warranty. For service, take your device to a Samsung Service Centre.
- Do not disassemble or puncture the battery, as this can cause explosion or fire.

Do not paint your device

Paint can clog moving parts and prevent proper operation. If you are allergic to the paint or metal parts of the device, stop using the device and consult your physician.

When cleaning your device:

- Wipe your device or charger with a towel or a rubber.
- Clean the terminals of the battery with a cotton ball or a towel.
- Do not use chemicals or detergents.

Do not use the device if the screen is cracked or broken

Broken glass or acrylic could cause injury to your hands and face. Take the device to a Samsung Service Centre to have it repaired.

Do not use the device for anything other than its intended use

Avoid disturbing others when using the device in public

Do not allow children to use your device

Your device is not a toy. Do not allow children to play with it as they could hurt themselves and others, damage the device, or make calls that increase your charges.

Install mobile devices and equipment with caution

- Ensure that any mobile devices or related equipment installed in your vehicle are securely mounted.
- Avoid placing your device and accessories near or in an air bag deployment area. Improperly installed wireless equipment can cause serious injury when air bags inflate rapidly.

Allow only qualified personnel to service your device

Allowing unqualified personnel to service your device may result in damage to your device and will void your manufacturer's warranty.

Handle SIM cards or memory cards with care

- Do not remove a card while the device is transferring or accessing information, as this could result in loss of data and/or damage to the card or device.
- Protect cards from strong shocks, static electricity, and electrical noise from other devices.
- Do not touch gold-coloured contacts or terminals with your fingers or metal objects. If dirty, wipe the card with a soft cloth.

Ensure access to emergency services

Emergency calls from your device may not be possible in some areas or circumstances. Before travelling in remote or undeveloped areas, plan an alternate method of contacting emergency services personnel.

Specific Absorption Rate (SAR) certification information

Your device conforms to European Union (EU) standards that limit human exposure to radio frequency (RF) energy emitted by radio and telecommunications equipment. These standards prevent the sale of mobile devices that exceed a maximum exposure level (known as the Specific Absorption Rate, or SAR) of 2.0 W/kg.

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